Yellow Medicine County, Minnesota

[Data apply to the entire extent of the map unit within the survey area. Map unit and soil properties for a specific parcel of land may vary somewhat and should be determined by onsite investigation]

31E--Storden loam, 18 to 25 percent slopes

Storden

Extent: 85 percent of the unit

Landform(s): moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Slope gradient: 18 to 25 percent

Wind erodibility index (WEI): 86

Parent material: till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 6e

Flooding: none

Hydric soil: no
Ponding: none

Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative soil pro	file:	Texture	Permeability	Available water capacity	рН
A 0 to 6 in	loam		moderate	1.18 to 1.30 in	7.4 to 8.4
C1 6 to 15 in	n loam		moderate	1.54 to 1.72 in	7.4 to 8.4
C2 15 to 60 ir	n loam		moderate	7.63 to 8.53 in	7.4 to 8.4

31F--Storden loam, 25 to 40 percent slopes

Storden

Extent: 85 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): moraines

Wind erodibility group (WEG): 4L

Slope gradient: 25 to 40 percent

Wind erodibility index (WEI): 86

Parent material: till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

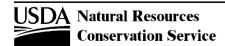
Land capability, nonirrigated 7e

Flooding: none

Hydric soil: no
Ponding: none

Hydrologic group: B

Representative soil profile:	Texture	Permeability	Available water capacity	рН
A 0 to 6 in	loam	moderate	1.18 to 1.30 in	7.4 to 8.4
C1 6 to 15 in	loam	moderate	1.54 to 1.72 in	7.4 to 8.4
C2 15 to 60 in	loam	moderate	7.63 to 8.53 in	7.4 to 8.4



Yellow Medicine County, Minnesota

35--Blue Earth silt loam

Blue Earth

Extent: 85 percent of the unit

Landform(s): depressions

Wind erodibility group (WEG): 4L

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 86

Parent material: lacustrine deposits

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 3w

Hydric soil: yes

Hydrologic group: B/D

Flooding: none

Ponding: frequent

Drainage class: very poorly drained Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 8 in	silt loam	moderate	1.73 to 1.89 in	7.4 to 8.4
Α	8 to 37 in	mucky silt loam	moderate	6.41 to 6.99 in	7.4 to 8.4
Cg 3	37 to 60 in	clay loam	moderate	3.20 to 3.65 in	7.4 to 8.4

85--Calco silty clay loam, occasionally flooded

Calco, occasionally flooded

Extent: 85 percent of the unit

Landform(s): flood plains

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 86

Parent material: alluvium

Kw factor (surface layer) .28

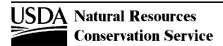
Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2w

Flooding: occasional Hydric soil: yes
Ponding: none Hydrologic group: B/D

Drainage class: poorly drained Potential for frost action: high

Representative so	oil profile:	Texture	Permeability	Available water capacity	рН
Ap,A1 0	to 16 in	silty clay loam	moderate	2.91 to 3.55 in	7.4 to 8.4
A2 16	to 32 in	silty clay loam	moderate	2.83 to 3.46 in	7.4 to 8.4
Cg 32	to 60 in	silty clay loam	moderate	4.47 to 5.31 in	7.4 to 8.4



Yellow Medicine County, Minnesota

86--Canisteo clay loam

Canisteo

Extent: 85 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): flats Wind erodibility group (WEG): 4L

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 86

Parent material: till

Kw factor (surface layer) .24

Postrictive feeture(e), greater than 60 inches

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2w
Flooding: none

Hydric soil: yes

Ponding: none Hydrologic group: B/D

Drainage class: poorly drained Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A	0 to 19 in	clay loam	moderate	3.21 to 3.59 in	7.4 to 8.4
Bg 1	19 to 33 in	clay loam	moderate	2.13 to 2.69 in	7.4 to 8.4
Bkg,Cg 3	33 to 60 in	loam	moderate	4.55 to 5.09 in	7.4 to 8.4

94B--Terril loam, 2 to 6 percent slopes

Terril

Extent: 85 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): morainesWind erodibility group (WEG): 6Slope gradient: 2 to 6 percentWind erodibility index (WEI): 48Parent material: colluviumKw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2e

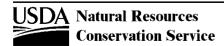
Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: B

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A 0 to 24 in	loam	moderate	4.80 to 5.28 in	6.1 to 7.3
AB 24 to 30 in	loam	moderate	1.18 to 1.30 in	6.1 to 7.3
Bw 30 to 60 in	loam	moderate	5.09 to 5.69 in	6.1 to 7.3



Yellow Medicine County, Minnesota

94C--Terril loam, 6 to 12 percent slopes

Terril

Extent: 85 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): moraines

Wind erodibility group (WEG): 6

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 48

Parent material: colluvium

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 3e

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: B

Drainage class: moderately well drained Potential for frost action: moderate

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A	0 to 24 in	loam	moderate	4.80 to 5.28 in	6.1 to 7.3
AB 2	24 to 30 in	loam	moderate	1.00 to 1.12 in	6.1 to 7.3
Bw 3	30 to 60 in	loam	moderate	5.09 to 5.69 in	6.1 to 7.3

108--McIntosh silt loam, 1 to 3 percent slopes

McIntosh

Extent: 85 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): moraines

Wind erodibility group (WEG): 4L

Slope gradient: 1 to 3 percent

Wind erodibility index (WEI): 86

Parent material: lacustrine deposits over till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2s

Flooding: none

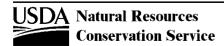
Hydric soil: no

Ponding: none

Hydrologic group: B

Drainage class: moderately well drained Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,ABk	0 to 14 in	silt loam	moderate	3.12 to 3.40 in	7.4 to 8.4
Bk '	14 to 24 in	silt loam	moderate	1.97 to 2.17 in	7.4 to 8.4
2Bk,2C 2	24 to 60 in	loam	moderate	6.09 to 6.81 in	7.4 to 8.4



Yellow Medicine County, Minnesota

113--Webster clay loam

Webster

Extent: 85 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): swales Wind erodibility group (WEG): 6

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 48

Parent material: till

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2w

Flooding: none

Hydric soil: yes

Ponding: none

Hydrologic group: B/D

Drainage class: poorly drained Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A,AB	0 to 19 in	clay loam	moderate	3.21 to 3.59 in	6.6 to 7.3
Bg 1	9 to 26 in	loam	moderate	1.20 to 1.35 in	6.6 to 7.3
Cg 2	26 to 60 in	loam	moderate	5.76 to 6.43 in	7.4 to 8.4

127A--Sverdrup fine sandy loam, 0 to 2 percent slopes

Sverdrup

Extent: 85 percent of the unit Soil loss tolerance (T factor): 3

Landform(s): moraines Wind erodibility group (WEG): 3
Slope gradient: 0 to 2 percent Wind erodibility index (WEI): 86

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 3s

Flooding: none

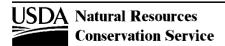
Hydric soil: no

Ponding: none

Hydrologic group: B

Drainage class: well drained Potential for frost action: low

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ар	0 to 8 in	fine sandy loam	moderately rapid	1.26 to 1.42 in	6.1 to 7.3
Bw	8 to 18 in	sandy loam	moderately rapid	1.23 to 1.43 in	6.1 to 7.3
BC,C '	18 to 60 in	fine sand	rapid	2.09 to 2.92 in	7.4 to 8.4



Parent material: outwash

Kw factor (surface layer) .20

Yellow Medicine County, Minnesota

127B--Sverdrup fine sandy loam, 2 to 6 percent slopes

Sverdrup

Extent: 85 percent of the unit

Soil loss tolerance (T factor): 3

Landform(s): moraines

Wind erodibility group (WEG): 3

Slope gradient: 2 to 6 percent

Wind erodibility index (WEI): 86

Parent material: outwash

Kw factor (surface layer) .20

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 3e

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: B

Drainage class: well drained Potential for frost action: low

Representative :	soil profile:	Texture	Permeability	Available water capacity	рН
Ap () to 8 in	fine sandy loam	moderately rapid	1.26 to 1.42 in	6.1 to 7.3
Bw 8	3 to 18 in	sandy loam	moderately rapid	1.23 to 1.43 in	6.1 to 7.3
BC,C 18	3 to 60 in	fine sand	rapid	2.09 to 2.92 in	7.4 to 8.4

127C--Sverdrup sandy loam, 6 to 12 percent slopes

Sverdrup

Extent: 85 percent of the unit Soil loss tolerance (T factor): 3

Landform(s): morainesWind erodibility group (WEG): 3Slope gradient: 6 to 12 percentWind erodibility index (WEI): 86Parent material: outwashKw factor (surface layer) .20

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 4e

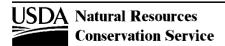
Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: B

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ар	0 to 7 in	sandy loam	moderately rapid	0.92 to 1.06 in	6.1 to 7.3
Bw	7 to 17 in	sandy loam	moderately rapid	1.18 to 1.38 in	6.1 to 7.3
BC,C	17 to 60 in	fine sand	rapid	2.15 to 3.00 in	7.4 to 8.4



Yellow Medicine County, Minnesota

134--Okoboji silty clay loam

Okoboji

Extent: 85 percent of the unit

Landform(s): depressions

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 86

Parent material: till

Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 3w

Flooding: none

Hydric soil: yes

Ponding: frequent

Hydrologic group: B/D

Drainage class: very poorly drained Potential for frost action: high

Available water Permeability Texture На Representative soil profile: capacity -- qA 0 to 10 in silty clay loam moderately slow 1.77 to 2.17 in 6.1 to 7.3 A,AB -- 10 to 34 in silty clay loam moderately slow 3.84 to 4.56 in 6.6 to 7.3 Bg,Cg -- 34 to 60 in silty clay loam moderately slow 4.16 to 4.94 in 6.6 to 8.4

137--Dovray silty clay

Dovray

Extent: 85 percent of the unit

Landform(s): depressions

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 86

Parent material: lacustrine deposits

Kw factor (surface layer) .28

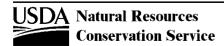
Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 3w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: C/D

Drainage class: very poorly drained Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap 0 to 12 in	silty clay	moderately slow	1.65 to 2.01 in	6.1 to 7.3
A 12 to 25 in	silty clay	moderately slow	1.87 to 2.28 in	6.1 to 7.3
Bg 25 to 42 in	silty clay	moderately slow	2.20 to 2.71 in	6.6 to 7.3
Cg 42 to 60 in	silty clay loam	slow	2.83 to 3.37 in	6.6 to 8.4



This report shows only the major soils in each map unit

Yellow Medicine County, Minnesota

140--Spicer silty clay loam

Spicer

Extent: 85 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): flats Wind erodibility group (WEG): 4L

Slope gradient: 0 to 2 percent Wind erodibility index (WEI): 86

Parent material: lacustrine deposits Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2w

Flooding: none Hydric soil: yes
Ponding: none Hydrologic group: B/D

Drainage class: poorly drained Potential for frost action: high

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A,AB	0 to 22 in	silty clay loam	moderate	3.97 to 4.85 in	7.4 to 8.4
Bg	22 to 38 in	silty clay loam	moderate	2.52 to 2.99 in	7.4 to 8.4
Cg	38 to 60 in	silt loam	moderate	4.41 to 4.85 in	7.4 to 8.4

141A--Egeland loam, 0 to 2 percent slopes

Egeland

Extent: 85 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): moraines Wind erodibility group (WEG): 5
Slope gradient: 0 to 2 percent Wind erodibility index (WEI): 56

Parent material: outwash Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 3s

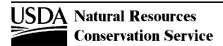
Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: B

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Ар	0 to 10 in	loam	moderate	1.97 to 2.17 in	5.6 to 7.3
Bw,C1	10 to 48 in	sandy loam	moderately rapid	4.58 to 5.35 in	6.1 to 7.3
C2 4	48 to 60 in	loamy fine sand	moderately rapid	0.94 to 1.18 in	6.6 to 8.4



Yellow Medicine County, Minnesota

141B--Egeland loam, 2 to 6 percent slopes

Egeland

Extent: 85 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): moraines

Wind erodibility group (WEG): 5

Slope gradient: 2 to 6 percent

Wind erodibility index (WEI): 56

Parent material: outwash

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 3e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: low

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 10 in	loam	moderate	1.97 to 2.17 in	5.6 to 7.3
Bw,C1	10 to 48 in	sandy loam	moderately rapid	4.58 to 5.35 in	6.1 to 7.3
C2 4	48 to 60 in	loamy fine sand	moderately rapid	0.94 to 1.18 in	6.6 to 8.4

160--Fieldon fine sandy loam

Fieldon

Extent: 90 percent of the unit Soil loss tolerance (T factor): 4

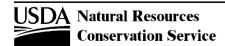
Landform(s): flatsWind erodibility group (WEG): 3Slope gradient: 0 to 2 percentWind erodibility index (WEI): 86Parent material: outwashKw factor (surface layer) .20

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated 2w

Flooding: none Hydric soil: yes
Ponding: none Hydrologic group: B/D

Drainage class: poorly drained Potential for frost action: high

Representative soil profile:		Texture	Permeability	Available water capacity	рН
Ap,A,AB	0 to 17 in	fine sandy loam	moderately rapid	2.71 to 3.05 in	7.4 to 8.4
Bg	17 to 28 in	fine sandy loam	moderate	1.65 to 1.87 in	7.4 to 8.4
Cg	28 to 60 in	stratified fine sand to fine sandy	rapid	1.59 to 2.23 in	7.4 to 8.4



Yellow Medicine County, Minnesota

210--Fulda silty clay

Fulda

Extent: 85 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): flats Wind erodibility group (WEG): 4

Slope gradient:0 to 2 percentWind erodibility index (WEI): 86Parent material:lacustrine depositsKw factor (surface layer).28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2w

Flooding: none

Hydric soil: yes

Ponding: none

Hydrologic group: C/D

Drainage class: poorly drained Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	pН
Ap,A,AB	0 to 19 in	silty clay	slow	2.65 to 3.21 in	6.6 to 7.3
Bg 1	9 to 28 in	silty clay	slow	1.18 to 1.45 in	6.6 to 7.3
Cg 2	28 to 60 in	silty clay	slow	3.51 to 4.78 in	7.4 to 8.4

246--Marysland clay loam

Marysland

Extent: 85 percent of the unit Soil loss tolerance (T factor): 4

Landform(s): flatsWind erodibility group (WEG): 4LSlope gradient: 0 to 2 percentWind erodibility index (WEI): 86Parent material: outwashKw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2w

Flooding: none

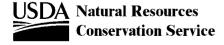
Hydric soil: yes

Ponding: none

Hydrologic group: B/D

Drainage class: poorly drained Potential for frost action: high

Representative soil profile:		Texture	Permeability	Available water capacity	рН
Ap,Aky,Ak	0 to 20 in	clay loam	moderate	3.41 to 3.81 in	7.4 to 8.4
Cg	20 to 28 in	loam	moderate	0.87 to 1.50 in	7.4 to 8.4
2Cg	28 to 60 in	stratified gravelly coarse sand to fine sand	rapid	0.64 to 1.28 in	7.4 to 8.4



Yellow Medicine County, Minnesota

276--Oldham silty clay loam

Oldham

Extent: 85 percent of the unit

Landform(s): depressions

Wind erodibility group (WEG): 4L

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 86

Parent material: lacustrine deposits

Kw factor (surface layer) .37

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 3w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: C/D

Drainage class: very poorly drained Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Α	0 to 17 in	silty clay loam	moderately slow	3.05 to 3.72 in	6.6 to 7.3
Bg 1	7 to 43 in	silty clay loam	moderately slow	4.16 to 4.94 in	6.6 to 7.3
BCq,Cq 4	3 to 60 in	clay loam	moderately slow	2.37 to 2.71 in	7.4 to 8.4

290B--Rothsay silt loam, 1 to 4 percent slopes

Rothsay

Extent: 85 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): morainesWind erodibility group (WEG): 5Slope gradient: 1 to 4 percentWind erodibility index (WEI): 56Parent material: lacustrine depositsKw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches

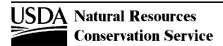
Land capability, nonirrigated 2e
Flooding: none

Hydric soil: no

Drainage class: well drained Potential for frost action: high

Hydrologic group: B

Representative so	oil profile:	Texture	Permeability	Available water capacity	рН
Ap 0	to 9 in	silt loam	moderate	1.99 to 2.17 in	6.6 to 7.3
BA,Bw 9	to 24 in	silt loam	moderate	2.99 to 3.29 in	6.6 to 7.3
Bk 24	to 49 in	silt loam	moderately rapid	4.96 to 5.46 in	7.4 to 8.4
C 49	to 60 in	silt loam	moderately rapid	2.20 to 2.43 in	7.4 to 8.4



Ponding: none

Yellow Medicine County, Minnesota

290B2--Rothsay silt loam, 3 to 6 percent slopes, eroded

Rothsay, eroded

Extent: 85 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): moraines

Wind erodibility group (WEG): 5

Slope gradient: 3 to 6 percent

Wind erodibility index (WEI): 56

Parent material: lacustrine deposits

Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: high

Representative	soil profile:		Texture	Permeability	Available water capacity	рН
Ap	0 to 9 in	silt loam		moderate	1.99 to 2.17 in	6.6 to 7.3
BA,Bw	9 to 24 in	silt loam		moderate	2.99 to 3.29 in	6.6 to 7.3
Bk 2	24 to 49 in	silt loam		moderately rapid	4.96 to 5.46 in	7.4 to 8.4
C 4	19 to 60 in	silt loam		moderately rapid	2.20 to 2.43 in	7.4 to 8.4

319--Barbert silt loam

Barbert

Extent: 85 percent of the unit

Soil loss tolerance (T factor): 5

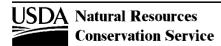
Landform(s): depressionsWind erodibility group (WEG): 6Slope gradient: 0 to 1 percentWind erodibility index (WEI): 48Parent material: lacustrine depositsKw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated 3w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: D

Drainage class: very poorly drained Potential for frost action: high

Representative soil pro	ofile: Texture	Permeability	capacity	рН
Ap,A 0 to 13	in silt loam	moderate	2.86 to 3.12 in	5.1 to 6.5
Bt,Btg 13 to 40	in silty clay loam	moderate	4.35 to 5.16 in	5.1 to 6.5
BCg,Cg 40 to 60	in silty clay	slow	2.17 to 2.95 in	5.1 to 7.3



This report shows only the major soils in each map unit

A. allahla ...atau

Yellow Medicine County, Minnesota

339A--Fordville loam, 0 to 2 percent slopes

Fordville

Extent: 85 percent of the unit

Landform(s): moraines

Soil loss tolerance (T factor): 4

Wind erodibility group (WEG): 6

Slope gradient: 0 to 2 percent Wind erodibility index (WEI): 48

Parent material: outwash

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: low

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A	0 to 13 in	loam	moderate	2.60 to 2.86 in	6.1 to 7.3
Bw ′	13 to 26 in	loam	moderate	2.21 to 2.47 in	6.1 to 7.3
2C 2	26 to 60 in	gravelly sand	very rapid	1.69 to 2.37 in	7.4 to 8.4

339B--Fordville loam, 2 to 6 percent slopes

Fordville

Extent: 85 percent of the unit

Landform(s): moraines

Soil loss tolerance (T factor): 4

Wind erodibility group (WEG): 6

Slope gradient: 2 to 6 percent Wind erodibility index (WEI): 48

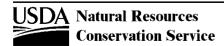
Parent material: outwash Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2e

Flooding: none Hydric soil: no Ponding: none Hydrologic group: B

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A	0 to 13 in	loam	moderate	2.60 to 2.86 in	6.1 to 7.3
Bw	13 to 26 in	loam	moderate	2.21 to 2.47 in	6.1 to 7.3
2C 2	26 to 60 in	gravelly sand	very rapid	1.69 to 2.37 in	7.4 to 8.4



Yellow Medicine County, Minnesota

341A--Arvilla sandy loam, 0 to 2 percent slopes

Arvilla

Extent: 90 percent of the unit Soil loss tolerance (T factor): 3

Landform(s): moraines Wind erodibility group (WEG): 3

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 86

Parent material: outwash

Restrictive feature(s): greater than 60 inches

Wind erodibility index (WEI): 86

Kw factor (surface layer) .20

Land capability, nonirrigated 3s

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: B

Drainage class: somewhat excessively drained Potential for frost action: low

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 8 in	sandy loam	moderately rapid	1.02 to 1.18 in	6.1 to 7.3
Bw	8 to 16 in	sandy loam	moderately rapid	0.99 to 1.16 in	6.6 to 7.3
2C 1	6 to 60 in	gravelly coarse sand	very rapid	0.87 to 1.75 in	7.4 to 8.4

341B--Arvilla sandy loam, 2 to 6 percent slopes

Restrictive feature(s): greater than 60 inches

Arvilla

Extent:90 percent of the unitSoil loss tolerance (T factor):3Landform(s):morainesWind erodibility group (WEG):3Slope gradient:2 to 6 percentWind erodibility index (WEI):86Parent material:outwashKw factor (surface layer).20

Flooding: none

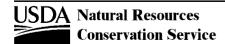
Hydric soil: no

Ponding: none

Hydrologic group: B

Drainage class: somewhat excessively drained Potential for frost action: low

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 8 in	sandy loam	moderately rapid	1.02 to 1.18 in	6.1 to 7.3
Bw	8 to 16 in	sandy loam	moderately rapid	0.99 to 1.16 in	6.6 to 7.3
2C 1	6 to 60 in	gravelly coarse sand	very rapid	0.87 to 1.75 in	7.4 to 8.4



Land capability, nonirrigated 4s

Yellow Medicine County, Minnesota

341C--Arvilla sandy loam, 6 to 12 percent slopes

Arvilla

Extent: 90 percent of the unit

Soil loss tolerance (T factor): 3

Landform(s): moraines

Wind erodibility group (WEG): 3

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 86

Parent material: outwash

Kw factor (surface layer) .20

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 4e

Flooding: none

Hydric soil: no
Ponding: none

Hydrologic group: B

Drainage class: somewhat excessively drained Potential for frost action: low

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 8 in	sandy loam	moderately rapid	1.02 to 1.18 in	6.1 to 7.3
Bw	8 to 16 in	sandy loam	moderately rapid	0.99 to 1.16 in	6.6 to 7.3
2C 1	16 to 60 in	gravelly coarse sand	very rapid	0.87 to 1.75 in	7.4 to 8.4

347--Malachy loam

Malachy

Extent: 85 percent of the unit

Soil loss tolerance (T factor): 4

Landform(s): moraines

Wind erodibility group (WEG): 4L

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 86

Parent material: outwash

Kw factor (surface layer) .24

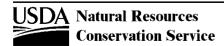
Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2s

Flooding: none Hydric soil: no Ponding: none Hydrologic group: B

Drainage class: moderately well drained Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,AB	0 to 17 in	loam	moderate	3.39 to 3.72 in	7.4 to 8.4
Bw ′	17 to 27 in	sandy loam	moderately rapid	1.18 to 1.38 in	7.4 to 8.4
2C 2	27 to 60 in	sand	rapid	1.65 to 2.31 in	7.4 to 8.4



Yellow Medicine County, Minnesota

371--Clontarf sandy loam, 1 to 3 percent slopes

Clontarf

Extent: 85 percent of the unit

Landform(s): moraines

Soil loss tolerance (T factor): 4

Wind erodibility group (WEG): 3

Slope gradient: 1 to 3 percent

Wind erodibility index (WEI): 86

Parent material: outwash

Kw factor (surface layer) .20

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 3s

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: B

Drainage class: moderately well drained Potential for frost action: moderate

Representative soil profile	Texture	Permeability	Available water capacity	рН
Ap,A 0 to 13 in	sandy loam	moderately rapid	1.69 to 1.95 in	6.1 to 7.3
Bw 13 to 30 in	sandy loam	moderately rapid	2.03 to 2.37 in	6.1 to 7.3
2C 30 to 60 in	loamy sand	rapid	2.39 to 2.99 in	6.6 to 7.8

402D--Sioux gravelly sandy loam, 2 to 40 percent slopes

Sioux

Extent: 90 percent of the unit

Soil loss tolerance (T factor): 3

Landform(s): moraines

Wind erodibility group (WEG): 3

Slope gradient: 2 to 40 percent Wind erodibility index (WEI): 86
Parent material: outwash Kw factor (surface layer) .15

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated 6s

Flooding: none

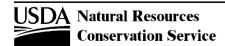
Hydric soil: no

Ponding: none

Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative	e soil profile:	Texture	Permeability	Available water capacity	pН
A	0 to 7 in	gravelly sandy loam	moderately rapid	0.92 to 1.06 in	6.6 to 8.4
AC	7 to 10 in	gravelly loamy sand	moderately rapid	0.22 to 0.28 in	7.4 to 8.4
C	10 to 60 in	very gravelly sand	very rapid	2.50 to 3.50 in	7.4 to 8.4



Yellow Medicine County, Minnesota

421B--Ves loam, 1 to 4 percent slopes

Ves

Extent: 85 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): moraines

Wind erodibility group (WEG): 6

Slope gradient: 1 to 4 percent

Wind erodibility index (WEI): 48

Parent material: till

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2e

Flooding: none

Hydric soil: no

Drainage class: well drained Potential for frost action: moderate

Hydrologic group: B

Representative soil pro	ofile: Texture	Permeability	Available water capacity	рН
Ap 0 to 12	in loam	moderate	2.36 to 2.60 in	6.1 to 7.3
AB,Bw 12 to 24	in clay loam	moderate	1.83 to 2.32 in	6.1 to 7.3
Bk 24 to 38	in loam	moderate	2.34 to 2.62 in	7.4 to 8.4
C 38 to 60	in loam	moderate	3.75 to 4.19 in	7.4 to 8.4

423--Seaforth loam, 1 to 3 percent slopes

Seaforth

Ponding: none

Extent: 85 percent of the unit

Landform(s): moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Slope gradient: 1 to 3 percent Wind erodibility index (WEI): 86
Parent material: till Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2s

Flooding: none

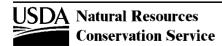
Hydric soil: no

Ponding: none

Hydrologic group: B

Drainage class: moderately well drained Potential for frost action: high

Representative s	oil profile:	Texture	Permeability	capacity	рН
Ap,AB 0	to 14 in	loam	moderate	2.83 to 3.12 in	7.4 to 8.4
Bk 14	to 24 in	loam	moderate	1.67 to 1.87 in	7.4 to 8.4
Bk,C 24	to 60 in	loam	moderate	6.09 to 6.81 in	7.4 to 8.4



This report shows only the major soils in each map unit

A. a. ilabla ...atau

Yellow Medicine County, Minnesota

434--Perella silty clay loam

Perella

Extent: 85 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): swales

Wind erodibility group (WEG): 7

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 38

Parent material: lacustrine deposits

Wind erodibility index (WEI): 38

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2w

Flooding: none Hydric soil: yes
Ponding: none Hydrologic group: B/D

Drainage class: poorly drained Potential for frost action: high

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A	0 to 20 in	silty clay loam	moderate	3.61 to 4.42 in	6.6 to 7.3
BA,Bg 2	20 to 33 in	silty clay loam	moderate	2.08 to 2.47 in	6.6 to 7.3
Bkg,Cg	33 to 60 in	silty clay loam	moderate	4.28 to 5.09 in	7.4 to 8.4

444--Canisteo silty clay loam

Canisteo

Extent: 85 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): flats Wind erodibility group (WEG): 4L Slope gradient: 0 to 2 percent Wind erodibility index (WEI): 86

Parent material: lacustrine deposit over till

Kw factor (surface layer) .24

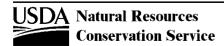
Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2w

Flooding: none Hydric soil: yes
Ponding: none Hydrologic group: B/D

Drainage class: poorly drained Potential for frost action: high

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A	0 to 22 in	silty clay loam	moderate	3.97 to 4.85 in	7.4 to 8.4
Bg	22 to 32 in	silty clay loam	moderate	1.57 to 1.87 in	7.4 to 8.4
Bkg,Cg	32 to 60 in	loam	moderate	4.75 to 5.31 in	7.4 to 8.4



Yellow Medicine County, Minnesota

574--Du Page Ioam, occasionally flooded

Du Page, occasionally flooded

Extent: 85 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): moraines

Wind erodibility group (WEG): 6

Slope gradient: 0 to 2 percent

Parent material: alluvium

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2w

Flooding: occasional Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: moderately well drained Potential for frost action: moderate

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A,AB	0 to 36 in	loam	moderate	7.17 to 7.88 in	6.6 to 8.4
C1	36 to 60 in	loam	moderate	4.08 to 4.56 in	7.4 to 8.4
C2	60 to 64 in	stratified loam to sandy clay loam	moderately rapid	0.67 to 0.75 in	7.9 to 8.4

575--Nishna silty clay, occasionally flooded

Nishna, occasionally flooded

Extent: 85 percent of the unit

Landform(s): flood plains

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 86

Parent material: alluvium

Kw factor (surface layer) .37

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 3w

Flooding: occasional

Hydric soil: yes

Ponding: none Hydrologic group: D

Drainage class: poorly drained Potential for frost action: moderate

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A,Bg	0 to 48 in	silty clay	slow	6.72 to 8.17 in	7.4 to 8.4
Cg 4	18 to 60 in	silty clay loam	slow	1.89 to 2.24 in	7.4 to 8.4



Yellow Medicine County, Minnesota

591B--Doland silt loam, 1 to 4 percent slopes

Doland

Extent: 85 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): moraines

Wind erodibility group (WEG): 6

Slope gradient: 1 to 4 percent

Wind erodibility index (WEI): 48

Parent material: lacustrine deposits over till

Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,AB	0 to 11 in	silt loam	moderate	2.43 to 2.65 in	6.1 to 7.3
Bw 1	11 to 23 in	silt loam	moderate	2.36 to 2.60 in	6.1 to 7.3
2Bk 2	23 to 60 in	loam	moderate	6.29 to 7.03 in	6.6 to 8.4

591B2--Doland silt loam, 3 to 6 percent slopes, eroded

Doland, eroded

Extent: 85 percent of the unit

Landform(s): moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 3 to 6 percent

Wind erodibility index (WEI): 48

Parent material: lacustrine deposits over till

Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2e

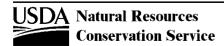
Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: B

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,AB 0 to 11 in	silt loam	moderate	2.43 to 2.65 in	6.1 to 7.3
Bw 11 to 23 in	silt loam	moderate	2.36 to 2.60 in	6.1 to 7.3
2Bk 23 to 60 in	loam	moderate	6.29 to 7.03 in	6.6 to 8.4



Yellow Medicine County, Minnesota

597--Tara silt loam, 1 to 3 percent slopes

Tara

Extent: 85 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): moraines

Wind erodibility group (WEG): 6

Slope gradient: 1 to 3 percent

Wind erodibility index (WEI): 48

Parent material: lacustrine deposits over till

Restrictive feature(s): greater than 60 inches

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated 1

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: moderately well drained Potential for frost action: high

Representative so	oil profile:	Texture	Permeability	Available water capacity	рН
Ap,AB 0	to 16 in	silt loam	moderate	3.55 to 3.87 in	6.1 to 7.3
Bw 16	to 36 in	silt loam	moderate	3.94 to 4.33 in	6.6 to 7.3
2C,2Cg 36	to 60 in	loam	moderate	4.08 to 4.56 in	7.4 to 8.4

610--Calco silty clay loam, frequently flooded

Calco, frequently flooded

Extent: 85 percent of the unit

Landform(s): flood plains

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 86

Parent material: alluvium

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 6w

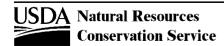
Flooding: frequent

Hydric soil: yes

Ponding: none Hydrologic group: B/D

Drainage class: poorly drained Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A1	0 to 16 in	silty clay loam	moderate	2.91 to 3.55 in	7.4 to 8.4
A2	16 to 32 in	silty clay loam	moderate	2.83 to 3.46 in	7.4 to 8.4
Cg 3	32 to 60 in	silty clay loam	moderate	4.47 to 5.31 in	7.4 to 8.4



Yellow Medicine County, Minnesota

878--Calco-Du Page complex

Calco, frequently flooded

Extent: 55 percent of the unit

Landform(s): flood plains

Slope gradient: 0 to 2 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: frequent Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 4L Wind erodibility index (WEI): 86 Kw factor (surface layer) .28 Land capability, nonirrigated 6w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A1 0 to 16 in	silty clay loam	moderate	2.91 to 3.55 in	7.4 to 8.4
A2 16 to 32 in	silty clay loam	moderate	2.83 to 3.46 in	7.4 to 8.4
Ca 32 to 60 in	silty clay loam	moderate	4 47 to 5 31 in	7.4 to 8.4

Du Page, occasionally flooded

Extent: 30 percent of the unit

Landform(s): flood plains

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 48

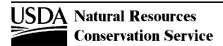
Parent material: alluvium

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated 2w

Flooding: occasional Hydric soil: no
Ponding: none Hydrologic group: B

Representative soil profile:		Texture	Permeability	Available water capacity	рН
Ap,A,AB	0 to 36 in	loam	moderate	7.17 to 7.88 in	6.6 to 8.4
C1 :	36 to 60 in	loam	moderate	4.08 to 4.56 in	7.4 to 8.4
C2 (60 to 64 in	sr to loam to gravelly sandy clay	moderately rapid	0.67 to 0.75 in	7.9 to 8.4



Yellow Medicine County, Minnesota

883--Zumbro-Du Page complex

Zumbro, occasionally flooded

Extent: 65 percent of the unit

Landform(s): flood plains

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 86

Parent material: alluvium

Kw factor (surface layer) .20

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 3s

Flooding: occasional

Hydric soil: no
Ponding: none

Hydrologic group: A

Drainage class: moderately well drained Potential for frost action: low

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 10 in	sandy loam	moderately rapid	1.28 to 1.48 in	5.6 to 7.8
AB,Bw	10 to 50 in	loamy sand	rapid	3.61 to 4.42 in	5.6 to 7.8
C :	50 to 60 in	sand	rapid	0.49 to 0.69 in	6.1 to 7.8

Du Page, occasionally flooded

Extent: 25 percent of the unit

Landform(s): flood plains

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 48

Parent material: alluvium

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2w

Flooding: occasional

Hydric soil: no

Ponding: none Hydrologic group: B

Representative soil profil	le: Texture	Permeability	Available water capacity	рН
Ap,A,AB 0 to 36 in	loam	moderate	7.17 to 7.88 in	6.6 to 8.4
C 36 to 60 in	loam	moderate	4.08 to 4.56 in	7.4 to 8.4



Yellow Medicine County, Minnesota

923D--Copaston-Rock outcrop complex, 2 to 25 percent slopes

Copaston

Extent: 60 percent of the unit

Soil loss tolerance (T factor): 2

Landform(s): moraines Wind erodibility group (WEG): 5

Slope gradient: 2 to 25 percent Wind erodibility index (WEI): 56

Parent material: alluvium over bedrock Kw factor (surface layer) .28

Restrictive feature(s): lithic bedrock at 12 to 20 inches

Land capability, nonirrigated 6e

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: D

Drainage class: well drained Potential for frost action: moderate

Representative	soil profile:	Texture	Permeability	capacity	рН
A,Bw	0 to 15 in	loam	moderate	2.99 to 3.29 in	5.6 to 7.3
BC 1	5 to 18 in	sandy loam	moderately rapid	0.38 to 0.44 in	5.6 to 7.3
R 1	8 to 22 in	unweathered bedrock	rapid		7.4 to 8.4

Rock outcrop

Extent: 30 percent of the unit Soil loss tolerance (T factor):

Landform(s): moraines Wind erodibility group (WEG):
Slope gradient: Wind erodibility index (WEI):

Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated

Flooding: none Hydric soil: unranked Ponding: none Hydrologic group:

Drainage class: Potential for frost action:

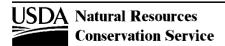
Representative soil profile:

Texture

Permeability

Available water capacity

PH



Avoilable water

Yellow Medicine County, Minnesota

953C--Arvilla-Storden-Ves complex, 6 to 15 percent slopes

Arvilla

Extent: 45 percent of the unit

Landform(s): moraines

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Slope gradient: 6 to 15 percent

Wind erodibility index (WEI): 86

Parent material: outwash

Kw factor (surface layer) .20

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 4e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: somewhat excessively drained Potential for frost action: low

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 8 in	sandy loam	moderately rapid	1.02 to 1.18 in	6.1 to 7.3
Bw	8 to 16 in	sandy loam	moderately rapid	0.99 to 1.16 in	6.6 to 7.3
2C 1	6 to 60 in	gravelly coarse sand	very rapid	0.87 to 1.75 in	7.4 to 8.4

Storden

Extent: 25 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): moraines Wind erodibility group (WEG): 4L

Slope gradient: 6 to 15 percent

Wind erodibility index (WEI): 86

Parent material: till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 3e

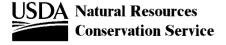
Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: B

Representative soil profile	: Texture	Permeability	capacity	рН
Ap 0 to 8 in	loam	moderate	1.57 to 1.73 in	7.4 to 8.4
C1 8 to 15 in	loam	moderate	1.20 to 1.35 in	7.4 to 8.4
C2 15 to 60 in	loam	moderate	7.63 to 8.53 in	7.4 to 8.4



Yellow Medicine County, Minnesota

953C--Arvilla-Storden-Ves complex, 6 to 15 percent slopes

Ves

Extent: 20 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): moraines

Wind erodibility group (WEG): 6

Slope gradient: 6 to 15 percent Wind erodibility index (WEI): 48

Parent material: till Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 3e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Representative	soil	profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to	8 in	loam	moderate	1.57 to 1.73 in	6.1 to 7.3
AB,Bw	8 to	20 in	clay loam	moderate	1.83 to 2.32 in	6.6 to 7.3
Bk 2	20 to	38 in	loam	moderate	3.01 to 3.37 in	7.4 to 8.4
C 3	38 to	60 in	loam	moderate	3.75 to 4.19 in	7.4 to 8.4

Yellow Medicine County, Minnesota

954B2--Ves-Storden loams, 3 to 6 percent slopes, eroded

Ves, eroded

Extent: 60 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): moraines

Wind erodibility group (WEG): 6

Slope gradient: 3 to 6 percent Wind erodibility index (WEI): 48

Parent material: till Kw factor (surface layer) .24
Restrictive feature(s): greater than 60 inches Land capability, nonirrigated 2e

Flooding: none

Hydric soil: no
Ponding: none

Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative	soil	profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to	9 in	loam	moderate	1.81 to 1.99 in	6.1 to 7.3
AB,Bw	9 to	21 in	clay loam	moderate	1.77 to 2.24 in	6.6 to 7.3
Bk 2	21 to	38 in	loam	moderate	2.88 to 3.22 in	7.4 to 8.4
C 3	38 to	60 in	loam	moderate	3.75 to 4.19 in	7.4 to 8.4

Storden, eroded

Extent: 30 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): moraines Wind erodibility group (WEG): 4L

Slope gradient: 4 to 6 percent Wind erodibility index (WEI): 86

Parent material: till Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 9 in	loam	moderate	1.81 to 1.99 in	7.4 to 8.4
C1	9 to 15 in	loam	moderate	1.00 to 1.12 in	7.4 to 8.4
C2 1	5 to 60 in	loam	moderate	7.63 to 8.53 in	7.4 to 8.4



Yellow Medicine County, Minnesota

954C2--Storden-Ves loams, 5 to 12 percent slopes, eroded

Storden, eroded

Extent: 60 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): moraines

Wind erodibility group (WEG): 4L

Slope gradient: 5 to 12 percent Wind erodibility index (WEI): 86

Parent material: till Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 3e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 8 in	loam	moderate	1.57 to 1.73 in	7.4 to 8.4
C1	8 to 15 in	loam	moderate	1.20 to 1.35 in	7.4 to 8.4
C2 1	5 to 60 in	loam	moderate	7.63 to 8.53 in	7.4 to 8.4

Ves, eroded

Extent: 30 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): moraines Wind erodibility group (WEG): 6
Slope gradient: 5 to 12 percent Wind erodibility index (WEI): 48

Parent material: till Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 3e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Representative	e soil	profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to	8 in	loam	moderate	1.57 to 1.73 in	6.1 to 7.3
AB,Bw	8 to	21 in	clay loam	moderate	1.95 to 2.47 in	6.6 to 7.3
Bk 2	21 to	38 in	loam	moderate	2.88 to 3.22 in	7.4 to 8.4
C 3	38 to	60 in	loam	moderate	3.75 to 4.19 in	7.4 to 8.4



Yellow Medicine County, Minnesota

954D--Storden-Ves loams, 12 to 18 percent slopes

Storden

Extent: 60 percent of the unit

Landform(s): moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86
Kw factor (surface layer) .28

Land capability, nonirrigated 4e

Hydrologic group: B

Potential for frost action: moderate

Representative s	oil profile:	Texture	Permeability	Available water capacity	рН
Ap 0	to 8 in	loam	moderate	1.57 to 1.73 in	7.4 to 8.4
C1 8	to 15 in	loam	moderate	1.20 to 1.35 in	7.4 to 8.4
C2 15	to 60 in	loam	moderate	7 63 to 8 53 in	7.4 to 8.4

Ves

Extent: 30 percent of the unit Soil loss tolera

Landform(s): moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

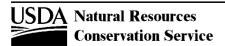
Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 6 Wind erodibility index (WEI): 48

Kw factor (surface layer) .24 Land capability, nonirrigated 4e

Hydrologic group: B

Potential for frost action: moderate

Representative	e soil prof	ile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 8 in	loam		moderate	1.57 to 1.73 in	6.1 to 7.3
AB,Bw	8 to 21 in	clay loam		moderate	1.95 to 2.47 in	6.6 to 7.3
Bk :	21 to 38 in	loam		moderate	2.88 to 3.22 in	7.4 to 8.4
C :	38 to 60 in	loam		moderate	3.75 to 4.19 in	7.4 to 8.4



Yellow Medicine County, Minnesota

969B2--Zell-Rothsay silt loams, 2 to 6 percent slopes, eroded

Zell, eroded

Extent: 65 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): moraines

Wind erodibility group (WEG): 4L

Slope gradient: 2 to 6 percent

Wind erodibility index (WEI): 86

Parent material: lacustrine deposits

Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 3e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: high

Representative soil	l profile:	Texture	Permeability	capacity	рН
Ap 0 to	9 in	silt loam	moderate	1.99 to 2.17 in	6.6 to 8.4
Bk 9 to	29 in	very fine sandy loam	moderate	3.41 to 3.81 in	7.4 to 8.4
C 29 to	60 in	silt loam	moderate	6.14 to 6.76 in	7.4 to 9.0

Rothsay, eroded

Extent: 25 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): moraines Wind erodibility group (WEG): 5
Slope gradient: 2 to 6 percent Wind erodibility index (WEI): 56

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated 2e

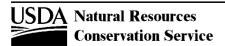
Flooding: none

Hydric soil: no
Ponding: none

Hydrologic group: B

Drainage class: well drained Potential for frost action: high

Representative	soil profile:	Te	exture	Permeability	Available water capacity	рН
Ap (0 to 9 in	silt loam		moderate	1.99 to 2.17 in	6.6 to 7.3
BA,Bw 9	9 to 24 in	silt loam		moderate	2.99 to 3.29 in	6.6 to 7.3
Bk 24	4 to 49 in	silt loam		moderately rapid	4.96 to 5.46 in	7.4 to 8.4
C 49	9 to 60 in	silt loam		moderately rapid	2.20 to 2.43 in	7.4 to 8.4



Available water

Yellow Medicine County, Minnesota

969C2--Zell-Rothsay silt loams, 6 to 12 percent slopes, eroded

Zell, eroded

Extent: 60 percent of the unit

Landform(s): moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG):

Landform(s): moraines Wind erodibility group (WEG): 4L Slope gradient: 6 to 12 percent Wind erodibility index (WEI): 86

Parent material: lacustrine doposits Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated 4e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: high

Representative	e soil profile:	Texture	Permeability	capacity	рН
Ap	0 to 9 in	silt loam	moderate	1.99 to 2.17 in	6.6 to 8.4
Bk	9 to 29 in	very fine sandy loam	moderate	3.41 to 3.81 in	7.4 to 8.4
C	29 to 60 in	silt loam	moderate	6.14 to 6.76 in	7.4 to 9.0

Rothsay, eroded

Extent: 30 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): moraines Wind erodibility group (WEG): 5
Slope gradient: 6 to 12 percent Wind erodibility index (WEI): 56

Parent material: lacustrine doposits

Kw factor (surface layer) .32

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 3e

Restrictive feature(s): greater than 60 inches

Land capability, nonirrig

Flooding: none

Hydric soil: no

Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: high

Representative	soil profile:	Te	exture	Permeability	Available water capacity	рН
Ap (0 to 9 in	silt loam		moderate	1.99 to 2.17 in	6.6 to 7.3
BA,Bw 9	9 to 24 in	silt loam		moderate	2.99 to 3.29 in	6.6 to 7.3
Bk 24	4 to 49 in	silt loam		moderately rapid	4.96 to 5.46 in	7.4 to 8.4
C 49	9 to 60 in	silt loam		moderately rapid	2.20 to 2.43 in	7.4 to 8.4



Available water

Yellow Medicine County, Minnesota

1003B--Udorthents (cut and fill land), 0 to 6 percent slopes

Udorthents, (cut and fill land)

Extent: 100 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): moraines Wind erodibility group (WEG): 4L

Slope gradient: 0 to 6 percent Wind erodibility index (WEI): 86

Parent material: variable loamy material Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated

Flooding: none Hydric soil:

Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

1016--Udorthents, loamy

Udorthents, loamy

Extent: 100 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): moraines Wind erodibility group (WEG): 4L

Slope gradient: 0 to 6 percent Wind erodibility index (WEI): 86

Parent material: variable loamy material

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated

Flooding: none

Hydric soil: unranked

Ponding: none

Hydrologic group: B

Drainage class: well drained

Potential for frost action:

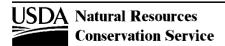
Representative soil profile:

Texture

Permeability

Available water capacity

pH



Yellow Medicine County, Minnesota

1029--Pits, gravel

Pits, gravel

Extent: 100 percent of the unit

Landform(s): outwash plains, stream terraces

Slope gradient:

Parent material: variable sand and gravel

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none Drainage class:

Soil loss tolerance (T factor):

Wind erodibility group (WEG):

Wind erodibility index (WEI):

Kw factor (surface layer)

Land capability, nonirrigated

Hydric soil: unranked

Hydrologic group:

Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

PH

Yellow Medicine County, Minnesota

1053--Aquolls and Aquents, ponded

Aquolls, ponded

Extent: 45 percent of the unit

Landform(s): depressions

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 8

Slope gradient: 0 to 1 percent

Wind erodibility index (WEI): 0

Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 8w

Flooding: none

Ponding: frequent

Hydric soil: yes

Hydrologic group: D

Drainage class: very poorly drained

Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

Aquents, ponded

Extent: 45 percent of the unitSoil loss tolerance (T factor): 5Landform(s): depressionsWind erodibility group (WEG): 8Slope gradient: 0 to 1 percentWind erodibility index (WEI): 0

Parent material: till Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated 8w

Flooding: none

Hydric soil: yes

Ponding: frequent

Hydrologic group: D

Drainage class: very poorly drained

Potential for frost action:

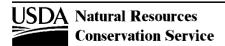
Representative soil profile:

Texture

Permeability

Available water capacity

PH



Yellow Medicine County, Minnesota

1852F--Terril-Swanlake loams, 18 to 70 percent slopes

Terril

Extent: 50 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): moraines

Wind erodibility group (WEG): 6

Slope gradient: 18 to 40 percent

Parent material: colluvium

Restrictive feature(s): greater than 60 inches

Wind erodibility index (WEI): 48

Kw factor (surface layer) .24

Land capability, nonirrigated 7e

Flooding: none

Hydric soil: no
Ponding: none

Hydrologic group: B

Drainage class: moderately well drained Potential for frost action: moderate

Representative soil profile	e: Texture	Permeability	Available water capacity	рН
A1 0 to 24 in	loam	moderate	4.80 to 5.28 in	6.1 to 7.3
A2 24 to 30 in	loam	moderate	1.18 to 1.30 in	6.1 to 7.3
Bw 30 to 60 in	loam	moderate	5.09 to 5.69 in	6.1 to 7.3

Swanlake

Extent: 35 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): moraines Wind erodibility group (WEG): 4L

Slope gradient: 18 to 70 percent Wind erodibility index (WEI): 86
Parent material: till Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 7e

Flooding: none

Hydric soil: no
Ponding: none

Hydrologic group: B

Representative soil profile:		Texture	Permeability	Available water capacity	рН
A	0 to 9 in	loam	moderate	1.81 to 1.99 in	7.4 to 8.4
ABk,Bk	9 to 33 in	loam	moderate	4.08 to 4.56 in	7.4 to 8.4
C 3	33 to 60 in	loam	moderate	4.55 to 5.09 in	7.4 to 8.4



Yellow Medicine County, Minnesota

1867--Zumbro-Calco complex

Zumbro, frequently flooded

Extent: 65 percent of the unit

Landform(s): flood plains

Slope gradient: 0 to 2 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: frequent Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 3
Wind erodibility index (WEI): 86
Kw factor (surface layer) .20
Land capability, nonirrigated 6w

Hydric soil: no Hydrologic group: A

Potential for frost action: low

Representative soil profile:		Texture	Permeability	Available water capacity	pН
Ap	0 to 10 in	sandy loam	moderately rapid	1.28 to 1.48 in	5.6 to 7.8
AB,Bw	10 to 50 in	loamy sand	rapid	3.61 to 4.42 in	5.6 to 7.8
C	50 to 60 in	sand	rapid	0.49 to 0.69 in	6.1 to 7.8

Calco, frequently flooded

Extent: 25 percent of the unit

Landform(s): flood plains

Slope gradient: 0 to 2 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: frequent Ponding: none

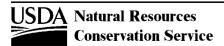
Drainage class: poorly drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 4L
Wind erodibility index (WEI): 86
Kw factor (surface layer) .28
Land capability, nonirrigated 4w

Hydric soil: yes Hydrologic group: B/D

Potential for frost action: high

Representative soil profile:		Texture	Permeability	Available water capacity	рН
Ap,A1	0 to 16 in	silty clay loam	moderate	2.91 to 3.55 in	7.4 to 8.4
A2 1	6 to 32 in	silty clay loam	moderate	2.83 to 3.46 in	7.4 to 8.4
Cg 3	32 to 60 in	silty clay loam	moderate	4.47 to 5.31 in	7.4 to 8.4



Yellow Medicine County, Minnesota

1868--Canisteo stony clay loam

Canisteo

Extent: 85 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): flats

Wind erodibility group (WEG): 8

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 0

Parent material: till

Kw factor (surface layer) .17

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated 6s

Flooding: none Hydric soil: yes
Ponding: none Hydrologic group: B/D

Drainage class: poorly drained Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,AB	0 to 20 in	stony clay loam	moderate	3.41 to 3.81 in	7.4 to 8.4
Bg 2	20 to 31 in	clay loam	moderate	1.65 to 2.09 in	7.4 to 8.4
Ca 3	31 to 60 in	loam	moderate	4.89 to 5.46 in	7.4 to 8.4



Yellow Medicine County, Minnesota

1869--Du Page-McIntosh variant loams

Du Page, variant, occasionally flooded

Extent: 60 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): moraines

Wind erodibility group (WEG): 6

Slope gradient: 0 to 2 percent

Parent material: alluvium

Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2w

Flooding: occasional Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: moderately well drained Potential for frost action: moderate

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A,AB	0 to 36 in	loam	moderate	7.17 to 7.88 in	6.6 to 8.4
C1 3	36 to 60 in	loam	moderate	4.08 to 4.56 in	7.4 to 8.4
C2 6	60 to 64 in	stratified loam to sandy clay loam	moderately rapid	0.67 to 0.79 in	7.9 to 8.4

McIntosh, variant

Extent: 30 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): moraines Wind erodibility group (WEG): 4L Slope gradient: 0 to 2 percent Wind erodibility index (WEI): 86

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: moderately well drained Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,ABk	0 to 13 in	loam	moderate	2.60 to 2.86 in	7.4 to 8.4
Bk,Cg	13 to 43 in	loam	moderate	5.09 to 5.69 in	7.4 to 8.4
Ab,Cg 4	43 to 60 in	stratified loam to silty clay loam	moderate	2.88 to 3.22 in	7.4 to 8.4



Yellow Medicine County, Minnesota

1870--Burr-Calco silty clay loams

Burr, occasionally flooded

Extent: 70 percent of the unit

Landform(s): flood plains

Slope gradient: 0 to 2 percent

Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: occasional Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 4L Wind erodibility index (WEI): 86 Kw factor (surface layer) .28 Land capability, nonirrigated 2w

Hydrologic group: D

Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ару	0 to 7 in	silty clay loam	moderate	1.28 to 1.56 in	7.4 to 8.4
ABky	7 to 30 in	silty clay	moderately slow	3.20 to 3.88 in	7.4 to 8.4
ACa.Ca 3	30 to 60 in	stratified silt loam to clav	moderately slow	2.69 to 3.89 in	7.4 to 8.4

Calco, occasionally flooded

Extent: 20 percent of the unit Landform(s): flood plains
Slope gradient: 0 to 2 percent
Parent material: alluvium

Restrictive feature(s): greater than 60 inches

Flooding: occasional

Ponding: none

Drainage class: poorly drained

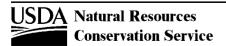
Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 4L
Wind erodibility index (WEI): 86
Kw factor (surface layer) .28
Land capability, nonirrigated 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A1	0 to 16 in	silty clay loam	moderate	2.91 to 3.55 in	7.4 to 8.4
A2 ′	16 to 32 in	silty clay loam	moderate	2.83 to 3.46 in	7.4 to 8.4
Cg 3	32 to 60 in	silty clay loam	moderate	4.47 to 5.31 in	7.4 to 8.4



Yellow Medicine County, Minnesota

GP--Pits, gravel-Udipsamments complex

Pits, gravel

Extent: 50 to 100 percent of the unit Soil loss tolerance (T factor):

Landform(s): moraines, outwash plains, stream terraces Wind erodibility group (WEG):

Slope gradient: 0 to 50 percent Wind erodibility index (WEI):

Parent material: sandy and gravelly outwash Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated

Flooding: Hydric soil:
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

PH

Udipsamments

Extent: 15 to 30 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): moraines, outwash plains, stream terraces Wind erodibility group (WEG): 2

Slope gradient: 0 to 6 percent Wind erodibility index (WEI): 134

Parent material: outwash Kw factor (surface layer)

Parent material: outwash Kw factor (surface layer)
Restrictive feature(s): greater than 60 inches Land capability, nonirrigated

Flooding: Hydric soil:

Ponding: Hydrologic group: A

Drainage class: excessively drained Potential for frost action:

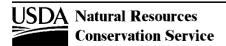
Representative soil profile:

Texture

Permeability

Available water capacity

PH



Yellow Medicine County, Minnesota

J1A--Parnell silty clay loam, depressional, 0 to 1 percent slopes

Parnell, depressional

Extent: 85 to 95 percent of the unit

Landform(s): depressions on lake plains, depressions on

moraines, depressions on till plains

Slope gradient: 0 to 1 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none
Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 7

Wind erodibility index (WEI): 38
Kw factor (surface layer) .37
Land capability, nonirrigated 3w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
A1,A2	0 to 22 in	silty clay loam	moderately slow	3.97 to 4.85 in	6.1 to 7.3
Btg 2	22 to 55 in	silty clay	slow	4.30 to 5.29 in	6.1 to 7.3
BCg	55 to 80 in	silty clay loam	slow	3.97 to 4.71 in	6.6 to 8.4

Yellow Medicine County, Minnesota

J2A--La Prairie loam, 0 to 2 percent slopes, occasionally flooded

La Prairie, occasionally flooded

Extent: 80 to 95 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): flats on flood plains

Wind erodibility group (WEG): 6

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 48

Parent material: alluvium

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 1

Flooding: occasional

Hydric soil: no

Ponding: none

Hydrologic group: B

Drainage class: moderately well drained Potential for frost action: moderate

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 9 in	loam	moderate	1.81 to 1.99 in	6.6 to 8.4
A	9 to 38 in	loam	moderate	5.83 to 6.41 in	6.6 to 8.4
Bw	38 to 50 in	loam	moderate	2.01 to 2.24 in	6.6 to 8.4
C	50 to 60 in	loam	moderate	1.67 to 1.87 in	7.4 to 8.4

J7A--Sverdrup sandy loam, 0 to 2 percent slopes

Sverdrup

Extent: 70 to 90 percent of the unit

Landform(s): flats on outwash plains

Soil loss tolerance (T factor): 4

Wind erodibility group (WEG): 3

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 86

Parent material: outwash

Kw factor (surface layer) .20

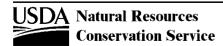
Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 3s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: low

Representativ	e soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A	0 to 12 in	sandy loam	moderately rapid	1.54 to 1.77 in	6.1 to 7.3
Bw	12 to 26 in	sandy loam	moderately rapid	1.70 to 1.98 in	6.1 to 7.3
2C	26 to 80 in	sand	rapid	2.70 to 3.78 in	7.4 to 8.4



This report shows only the major soils in each map unit

Yellow Medicine County, Minnesota

J7B--Sverdrup sandy loam, 2 to 6 percent slopes

Sverdrup

Extent: 80 to 90 percent of the unit Soil loss tolerance (T factor): 4 Landform(s): hills on outwash plains Wind erodibility group (WEG): 3 Wind erodibility index (WEI): 86 Slope gradient: 2 to 6 percent Parent material: outwash Kw factor (surface layer) .20

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated 3e

Flooding: none Hydric soil: no Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: low

Representative soil p	orofile:	Texture	Permeability	Available water capacity	рН
Ap,A 0 to	12 in	sandy loam	moderately rapid	1.54 to 1.77 in	6.1 to 7.3
Bw 12 to 2	26 in	sandy loam	moderately rapid	1.70 to 1.98 in	6.1 to 7.3
2C 26 to 8	80 in	sand	rapid	2.70 to 3.78 in	7.4 to 8.4

J11A--Vallers clay loam, 0 to 2 percent slopes

Vallers

Extent: 75 to 95 percent of the unit Landform(s): rims on depressions on till plains, flats on till

plains, drainageways on till plains

Slope gradient: 0 to 2 percent Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86 Kw factor (surface layer) .28

Land capability, nonirrigated 2w

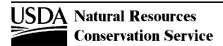
Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

Available water

Representativ	ve soil profile:	Texture	Permeability	capacity	рН
Ap,A	0 to 14 in	clay loam	moderate	2.41 to 2.69 in	7.4 to 8.4
Bkg	14 to 38 in	loam	moderate	3.60 to 4.56 in	7.4 to 8.4
Cg	38 to 80 in	loam	moderately slow	6.26 to 7.93 in	7.4 to 8.4



Yellow Medicine County, Minnesota

J12A--Marysland loam, 0 to 2 percent slopes

Marysland

Soil loss tolerance (T factor): 4 Extent: 75 to 95 percent of the unit

Landform(s): rims on depressions on outwash plains, flats on

outwash plains, drainageways on outwash plains

Slope gradient: 0 to 2 percent Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: poorly drained

Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86 Kw factor (surface layer) .24 Land capability, nonirrigated 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

Representative soil pro	ofile: Texture	Permeability	Available water capacity	рН
Ap 0 to 9 in	n loam	moderate	1.54 to 1.99 in	7.4 to 8.4
Ak 9 to 12 i	in loam	moderate	0.47 to 0.61 in	7.4 to 8.4
Bkg 12 to 27 i	in loam	moderate	2.30 to 2.92 in	7.4 to 8.4
2Cg 27 to 80 i	in gravelly sand	rapid	1.06 to 3.69 in	7.4 to 8.4

Yellow Medicine County, Minnesota

J23A--Lamoure silty clay loam, 0 to 2 percent slopes, occasionally flooded

Lamoure, occasionally flooded

Extent: 75 to 95 percent of the unit

Landform(s): flats on flood plains

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 86

Parent material: alluvium

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2w

Flooding: occasional Hydric soil: yes
Ponding: none Hydrologic group: B/D

Drainage class: poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
A1,A2 0 to 27 in	silty clay loam	moderate	4.89 to 5.98 in	7.4 to 8.4
Cg1 27 to 34 in	silty clay loam	moderate	1.07 to 1.27 in	7.4 to 8.4
Cg2 34 to 60 in	silt loam	moderate	5.20 to 5.72 in	7.4 to 8.4

J26B--Darnen loam, 2 to 6 percent slopes

Darnen

Extent: 85 to 95 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 2 to 6 percent

Wind erodibility index (WEI): 48

Parent material: colluvium

Kw factor (surface layer) .28

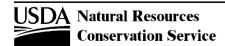
Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2e

Flooding: none Hydric soil: no Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A	0 to 24 in	loam	moderate	4.80 to 5.28 in	6.6 to 7.3
AB,Bw1 2	24 to 34 in	loam	moderate	1.67 to 1.87 in	6.1 to 7.3
Bw2 3	34 to 80 in	loam	moderate	7.83 to 8.75 in	6.6 to 8.4



This report shows only the major soils in each map unit

Yellow Medicine County, Minnesota

J31B--Arvilla-Sandberg complex, 2 to 6 percent slopes

Arvilla

Extent: 35 to 55 percent of the unit

Landform(s): hills on outwash plains

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Slope gradient: 2 to 6 percent

Wind erodibility index (WEI): 86

Parent material: outwash

Kw factor (surface layer) .20

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 3e

Flooding: none

Hydric soil: no
Ponding: none

Hydrologic group: B

Drainage class: somewhat excessively drained Potential for frost action: low

Representative	soil profile:	Texture	Permeability	capacity	рН
Ap	0 to 9 in	sandy loam	moderately rapid	1.18 to 1.36 in	6.1 to 7.3
Bw	9 to 14 in	sandy loam	moderately rapid	0.61 to 0.72 in	6.6 to 7.3
2Bk 1	4 to 48 in	gravelly sand	very rapid	0.68 to 1.69 in	7.4 to 8.4
2C 4	8 to 80 in	gravelly sand	very rapid	0.64 to 1.59 in	7.4 to 8.4

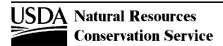
Sandberg

Extent:30 to 50 percent of the unitSoil loss tolerance (T factor):3Landform(s):hills on outwash plainsWind erodibility group (WEG):3Slope gradient:2 to 6 percentWind erodibility index (WEI):86Parent material:outwashKw factor (surface layer).15Restrictive feature(s):greater than 60 inchesLand capability, nonirrigated4s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Ар	0 to 8 in	gravelly sandy loam	very rapid	0.39 to 1.02 in	6.1 to 7.8
Bk	8 to 32 in	very gravelly sand	very rapid	0.48 to 1.44 in	7.4 to 8.4
C	32 to 80 in	gravelly sand	very rapid	0.96 to 2.88 in	7.4 to 8.4



Available weter

Yellow Medicine County, Minnesota

J32A--Bigstone silty clay loam, depressional, 0 to 1 percent slopes

Bigstone, depressional

Extent: 70 to 90 percent of the unit

Landform(s): depressions on lake plains, depressions on

moraines, depressions on till plains

Slope gradient: 0 to 1 percent Parent material: lacustrine deposits

Restrictive feature(s): greater than 60 inches

Flooding: none
Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 4L

Wind erodibility index (WEI): 86 Kw factor (surface layer) .28 Land capability, nonirrigated 3w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

L Available water

Representative soil	profile:	Texture	Permeability	capacity	pН
Ap 0 to	10 in	silty clay loam	moderate	1.77 to 2.17 in	7.4 to 8.4
A 10 to	30 in	silty clay loam	moderate	3.61 to 4.42 in	7.4 to 8.4
Cg 30 to	80 in	loam	moderate	7.50 to 9.50 in	7.4 to 8.4

Yellow Medicine County, Minnesota

J38B--Zell-Eckman complex, 2 to 6 percent slopes

Zell

Extent: 30 to 55 percent of the unit

Landform(s): hills on moraines

Slope gradient: 2 to 6 percent

Parent material: lacustrine deposits

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 4L Wind erodibility index (WEI): 86 Kw factor (surface layer) .32 Land capability, nonirrigated 3e

Hydric soil: no Hydrologic group: B

Potential for frost action: high

Representative soil pro	ofile:	Texture	Permeability	Available water capacity	рН
Ap 0 to 10 i	in silt loam		moderate	1.87 to 2.17 in	6.6 to 8.4
Bk 10 to 43 i	in silt loam		moderate	4.96 to 6.61 in	7.4 to 8.4
C 43 to 80 i	in silt loam		moderate	5.55 to 7.40 in	7.4 to 8.4

Eckman

Extent:30 to 50 percent of the unitSoil lossLandform(s):hills on morainesWind eroSlope gradient:2 to 6 percentWind eroParent material:lacustrine depositsKw factor

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 5
Wind erodibility index (WEI): 56
Kw factor (surface layer) .32
Land capability, nonirrigated 2e

Hydrologic group: B
Potential for frost action: high

Hydric soil: no

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A	0 to 15 in	silt loam	moderate	3.29 to 3.59 in	6.6 to 7.3
Bw 1	15 to 32 in	silt loam	moderate	2.88 to 3.72 in	6.6 to 7.8
Bk 3	32 to 42 in	silt loam	moderate	2.05 to 2.25 in	7.4 to 8.4
C 4	12 to 80 in	silt loam	moderate	7.56 to 8.31 in	7.4 to 8.4



Yellow Medicine County, Minnesota

J38C2--Zell-Eckman complex, 6 to 12 percent slopes, moderately eroded

Zell, moderately eroded

Extent: 35 to 55 percent of the unit

Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Parent material: lacustrine deposits

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 4L Wind erodibility index (WEI): 86 Kw factor (surface layer) .32 Land capability, nonirrigated 4e

Hydric soil: no Hydrologic group: B

Potential for frost action: high

Representative soil profile	e: Texture	Permeability	Available water capacity	рН
Ap 0 to 9 in	silt loam	moderate	1.72 to 1.99 in	6.6 to 8.4
Bk 9 to 28 in	silt loam	moderate	2.83 to 3.78 in	7.4 to 8.4
C 28 to 80 in	silt loam	moderate	7 80 to 10 39 in	7.4 to 9.0

Eckman, moderately eroded

Extent:10 to 30 percent of the unitSoil loss toleLandform(s):hills on morainesWind erodibitSlope gradient:6 to 12 percentWind erodibitParent material:lacustrine depositsKw factor (str

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 5
Wind erodibility index (WEI): 56
Kw factor (surface layer) .32
Land capability, nonirrigated 3e

Hydrologic group: B
Potential for frost action: high

Hydric soil: no

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 8 in	silt loam	moderate	1.73 to 1.89 in	6.6 to 7.3
Bw	8 to 31 in	silt loam	moderate	3.95 to 5.11 in	6.6 to 7.8
Bk 3	1 to 50 in	silt loam	moderate	3.78 to 4.16 in	7.4 to 8.4
C 5	0 to 80 in	silt loam	moderate	5.98 to 6.58 in	7.4 to 8.4



Yellow Medicine County, Minnesota

J42C--Sandberg-Arvilla complex, 6 to 12 percent slopes

Sandberg

Extent: 50 to 70 percent of the unit

Landform(s): hills on outwash plains

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 8

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 0

Parent material: outwash

Kw factor (surface layer) .15

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 6s

Flooding: none

Hydric soil: no
Ponding: none

Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 10 in	gravelly sandy loam	very rapid	0.49 to 1.28 in	6.1 to 7.8
Bk '	10 to 22 in	gravelly sand	very rapid	0.24 to 0.73 in	7.4 to 8.4
C 2	22 to 80 in	gravelly sand	very rapid	1.16 to 3.47 in	7.4 to 8.4

Arvilla

Extent: 25 to 35 percent of the unit

Landform(s): hills on outwash plains

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 86

Parent material: outwash

Kw factor (surface layer) .20

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 4e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: somewhat excessively drained Potential for frost action: low

Representative soil pro	ofile: Texture	Permeability	Available water capacity	рН
Ap 0 to 9 in	n sandy loam	moderately rapid	1.18 to 1.36 in	6.1 to 7.3
Bw 9 to 14	in sandy loam	moderately rapid	0.61 to 0.72 in	6.6 to 7.3
2Bk 14 to 48	in gravelly sand	very rapid	0.68 to 1.69 in	7.4 to 8.4
2C 48 to 80	in gravelly sand	very rapid	0.64 to 1.59 in	7.4 to 8.4



Yellow Medicine County, Minnesota

J45F--Sandberg sandy loam, 12 to 40 percent slopes

Sandberg

Extent: 70 to 90 percent of the unitSoil loss tolerance (T factor): 3Landform(s): hills on outwash plainsWind erodibility group (WEG): 3Slope gradient: 12 to 40 percentWind erodibility index (WEI): 86Parent material: outwashKw factor (surface layer) .15

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated 7e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
A1,A2	0 to 12 in	sandy loam	very rapid	1.54 to 1.77 in	6.1 to 7.8
Bk '	12 to 28 in	gravelly sand	very rapid	0.32 to 0.97 in	7.4 to 8.4
C 2	28 to 80 in	gravelly sand	very rapid	1.04 to 3.12 in	7.4 to 8.4



Yellow Medicine County, Minnesota

J48A--Bigstone and Parnell soils, ponded, 0 to 1 percent slopes

Bigstone, ponded

Extent: 0 to 85 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): depressions on moraines, depressions on lake Wind erodibility group (WEG): 8 plains, depressions on till plains

Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 0
Parent material: lacustrine deposits Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches Land capability, nonirrigated 8w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile	: Texture	Permeability	Available water capacity	рН
A1 0 to 18 in	silty clay loam	moderate	3.26 to 3.98 in	7.4 to 8.4
A2 18 to 48 in	silty clay loam	moderate	5.39 to 6.58 in	7.4 to 8.4
2Ca 48 to 80 in	loam	moderate	4.78 to 6.06 in	7.4 to 8.4

Parnell, ponded

Extent: 0 to 85 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): depressions on moraines, depressions on lake Wind erodibility group (WEG): 8 plains, depressions on till plains

Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 0

Parent material: till Kw factor (surface layer) .37

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 8w
Flooding: none

Hydric soil: yes

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: D

Drainage class: very poorly drained Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
A1,A2	0 to 22 in	silty clay loam	moderately slow	3.97 to 4.85 in	6.1 to 7.3
Btg 2	22 to 55 in	silty clay	slow	4.30 to 5.29 in	6.1 to 7.3
BCg 5	55 to 80 in	silty clay loam	slow	3.97 to 4.71 in	6.6 to 8.4



Yellow Medicine County, Minnesota

J57A--Balaton loam, 1 to 3 percent slopes

Balaton

Extent: 75 to 95 percent of the unitSoil loss tolerance (T factor): 5Landform(s): knolls on till plainsWind erodibility group (WEG): 4LSlope gradient: 1 to 3 percentWind erodibility index (WEI): 86Parent material: tillKw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2s

Flooding: none

Hydric soil: no

Flooding: noneHydric soil: noPonding: noneHydrologic group: B

Drainage class: moderately well drained Potential for frost action: high

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A	0 to 13 in	loam	moderate	2.60 to 2.86 in	7.4 to 8.4
ABk,Bk	13 to 31 in	loam	moderate	2.72 to 3.44 in	7.4 to 8.4
C	31 to 80 in	loam	moderate	7.32 to 9.28 in	7.4 to 8.4

J75A--Fordville loam, 0 to 2 percent slopes

Fordville

Extent: 80 to 90 percent of the unit

Soil loss tolerance (T factor): 3

Landform(s): flats on outwash plains

Wind erodibility group (WEG): 6

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 48

Parent material: outwash

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2s

Flooding: none

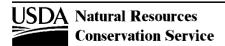
Hydric soil: no

Ponding: none

Hydrologic group: B

Drainage class: well drained Potential for frost action: low

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap (to 6 in	loam	moderate	1.18 to 1.30 in	6.1 to 7.3
Bw 6	6 to 24 in	loam	moderate	3.08 to 3.44 in	6.1 to 7.3
2C 24	4 to 80 in	gravelly loamy sand	very rapid	2.24 to 3.35 in	7.4 to 8.4



Yellow Medicine County, Minnesota

J75B--Fordville loam, 2 to 6 percent slopes

Fordville

Extent: 80 to 90 percent of the unit

Landform(s): hills on outwash plains

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 6

Slope gradient: 2 to 6 percent

Wind erodibility index (WEI): 48

Parent material: outwash

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: low

Representative soil pro	file: Texture	Permeability	Available water capacity	рН
Ap 0 to 6 in	loam	moderate	1.18 to 1.30 in	6.1 to 7.3
Bw 6 to 24 in	n loam	moderate	3.08 to 3.44 in	6.1 to 7.3
2C 24 to 80 ir	n gravelly loamy sand	very rapid	2.24 to 3.35 in	7.4 to 8.4

J77A--Lamoure silty clay loam, 0 to 2 percent slopes, frequently flooded

Lamoure, frequently flooded

Extent: 75 to 95 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): flats on flood plains

Wind erodibility group (WEG): 4L

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 86

Parent material: alluvium

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 5w

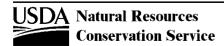
Flooding: frequent

Hydric soil: yes

Ponding: none Hydrologic group: B/D

Drainage class: poorly drained Potential for frost action: high

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
A1,A2	0 to 27 in	silty clay loam	moderate	4.89 to 5.98 in	7.4 to 8.4
Cg1	27 to 34 in	silty clay loam	moderate	1.07 to 1.27 in	7.4 to 8.4
Cg2	34 to 60 in	silt loam	moderate	5.20 to 5.72 in	7.4 to 8.4



Yellow Medicine County, Minnesota

J80A--Lamoure-La Prairie complex, channeled, 0 to 2 percent slopes, frequently flooded

Lamoure, channeled, frequently flooded

Extent: 40 to 60 percent of the unit

Landform(s): flats on flood plains

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 4L

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 86

Parent material: alluvium

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 5w

Flooding: frequent

Hydric soil: yes

Ponding: none

Hydrologic group: B/D

Drainage class: poorly drained Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
A1,A2	0 to 27 in	silty clay loam	moderate	4.89 to 5.98 in	7.4 to 8.4
Cg1 2	27 to 34 in	silty clay loam	moderate	1.07 to 1.27 in	7.4 to 8.4
Cg2 :	34 to 60 in	silt loam	moderate	5.20 to 5.72 in	7.4 to 8.4

La Prairie, channeled, frequently flooded

Extent: 30 to 50 percent of the unit

Landform(s): flats on flood plains

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 48

Parent material: alluvium

Kw factor (surface layer) .24

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 5w

Flooding: frequent

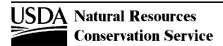
Hydric soil: yes

Ponding: none

Hydrologic group: B

Drainage class: moderately well drained Potential for frost action: moderate

Representativ	ve soil profile:	Text	ture	Permeability	Available water capacity	рН
Ap	0 to 9 in	loam		moderate	1.81 to 1.99 in	6.6 to 8.4
A	9 to 38 in	loam		moderate	5.83 to 6.41 in	6.6 to 8.4
Bw	38 to 50 in	loam		moderate	2.01 to 2.24 in	6.6 to 8.4
C	50 to 60 in	loam		moderate	1.67 to 1.87 in	7.4 to 8.4



Yellow Medicine County, Minnesota

J95E--Buse, stony-Wilno complex, 18 to 25 percent slopes

Buse, stony

Extent: 65 to 85 percent of the unit Landform(s): hills on moraines Slope gradient: 18 to 25 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 4L Wind erodibility index (WEI): 86 Kw factor (surface layer) .28 Land capability, nonirrigated 6e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Representative se	oil profile:	Texture	Permeability	Available water capacity	рН
A 0	to 8 in	loam	moderate	1.57 to 1.73 in	7.4 to 8.4
Bk 8	to 37 in	loam	moderate	4.37 to 5.54 in	7.4 to 8.4
C 37	to 80 in	loam	moderately slow	6.44 to 8.15 in	7.4 to 8.4

Wilno

Extent: 10 to 20 percent of the unit Landform(s): hills on moraines Slope gradient: 18 to 25 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

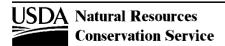
Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48
Kw factor (surface layer) .28
Land capability, nonirrigated 6e
Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

Representativ	e soil profile:	Texture	Permeability	Available water capacity	рН
A	0 to 42 in	loam	moderate	8.43 to 9.27 in	6.1 to 7.3
AB	42 to 52 in	loam	moderate	1.67 to 1.87 in	6.1 to 7.3
Bw1,Bw2	52 to 80 in	loam	moderate	4.75 to 5.31 in	6.1 to 7.3



Yellow Medicine County, Minnesota

J95F--Buse, stony-Wilno complex, 25 to 40 percent slopes

Buse, stony

Extent: 65 to 85 percent of the unit Landform(s): hills on moraines Slope gradient: 25 to 40 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 4L Wind erodibility index (WEI): 86 Kw factor (surface layer) .28 Land capability, nonirrigated 7e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Representative se	oil profile:	Texture	Permeability	Available water capacity	рН
A 0	to 8 in	loam	moderate	1.57 to 1.73 in	7.4 to 8.4
Bk 8	to 37 in	loam	moderate	4.37 to 5.54 in	7.4 to 8.4
C 37	to 80 in	loam	moderately slow	6.44 to 8.15 in	7.4 to 8.4

Wilno

Extent: 10 to 20 percent of the unit

Landform(s): hills on moraines

Slope gradient: 25 to 40 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

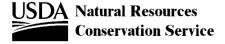
Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48
Kw factor (surface layer) .28
Land capability, nonirrigated 7e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

Representativ	e soil profile:	Texture	Permeability	Available water capacity	рН
A	0 to 42 in	loam	moderate	8.43 to 9.27 in	6.1 to 7.3
AB	42 to 52 in	loam	moderate	1.67 to 1.87 in	6.1 to 7.3
Bw1,Bw2	52 to 80 in	loam	moderate	4.75 to 5.31 in	6.1 to 7.3



Yellow Medicine County, Minnesota

J96C2--Barnes-Buse complex, 6 to 12 percent slopes, moderately eroded

Barnes, moderately eroded

Extent: 40 to 60 percent of the unit Landform(s): hills on moraines Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48
Kw factor (surface layer) .28
Land capability, nonirrigated 3e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Representative	soil	profile:		Texture	Permeability	Available water capacity	рН
Ap	0 to	7 in	loam		moderate	1.42 to 1.56 in	6.1 to 7.3
Bw1,Bw2	7 to	19 in	loam		moderate	2.01 to 2.24 in	6.1 to 7.3
Bk 1	19 to	37 in	loam		moderate	2.72 to 3.44 in	7.4 to 8.4
C 3	37 to	60 in	loam		moderately slow	3.43 to 4.34 in	7.4 to 8.4

Buse, moderately eroded

Extent: 20 to 40 percent of the unit Landform(s): hills on moraines Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 4L Wind erodibility index (WEI): 86

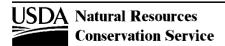
Kw factor (surface layer) .28
Land capability, nonirrigated 3e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Available water

Representativ	ve soil profile:	Texture	Permeability	capacity	рН
Ap	0 to 8 in	loam	moderate	1.57 to 1.73 in	7.4 to 8.4
Bk1,Bk2	8 to 40 in	loam	moderate	4.84 to 6.13 in	7.4 to 8.4
C	40 to 60 in	loam	moderately slow	2.95 to 3.74 in	7.4 to 8.4



Yellow Medicine County, Minnesota

J100D2--Buse, eroded-Wilno complex, 12 to 18 percent slopes

Buse, moderately eroded

Extent: 60 to 80 percent of the unit Landform(s): hills on moraines Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 4L Wind erodibility index (WEI): 86 Kw factor (surface layer) .28 Land capability, nonirrigated 4e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Available water

Representative	e soil profile:	Texture	Permeability	capacity	рН
Ap	0 to 8 in	loam	moderate	1.57 to 1.73 in	7.4 to 8.4
Bk1,Bk2	8 to 40 in	loam	moderate	4.84 to 6.13 in	7.4 to 8.4
C 4	40 to 60 in	loam	moderately slow	2.95 to 3.74 in	7.4 to 8.4

Wilno

Extent: 10 to 20 percent of the unit

Landform(s): hills on moraines

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48
Kw factor (surface layer) .28
Land capability, nonirrigated 4e

Hydrologic group: B
Potential for frost action: moderate

Hydric soil: no

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A	0 to 42 in	loam	moderate	8.43 to 9.27 in	6.1 to 7.3
AB	42 to 52 in	loam	moderate	1.67 to 1.87 in	6.1 to 7.3
Bw1.Bw2	52 to 80 in	loam	moderate	4.75 to 5.31 in	6.1 to 7.3



Yellow Medicine County, Minnesota

J101B--Hokans-Svea complex, 1 to 4 percent slopes

Hokans

Extent: 60 to 80 percent of the unit

Landform(s): hills on moraines

Slope gradient: 1 to 4 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48
Kw factor (surface layer) .28
Land capability, nonirrigated 2e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Representative	soil profile:	Te	exture	Permeability	Available water capacity	рН
Ap,A	0 to 15 in	loam		moderate	2.99 to 3.29 in	6.1 to 7.3
Bw 1	15 to 22 in	loam		moderate	1.20 to 1.35 in	6.1 to 7.3
Bk 2	22 to 40 in	loam		moderate	2.72 to 3.44 in	7.4 to 8.4
C 4	10 to 80 in	loam		moderately slow	5.96 to 7.56 in	7.4 to 8.4

Svea

Extent: 15 to 25 percent of the unit

Landform(s): swales on moraines, flats on moraines

Slope gradient: 1 to 3 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: moderately well drained

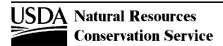
Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48
Kw factor (surface layer) .28
Land capability, nonirrigated 1

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Representative soil	profile:	Texture	Permeability	Available water capacity	рН
Ap,A 0 to	10 in lo	oam	moderate	1.97 to 2.17 in	6.1 to 7.3
Bw 10 to 1	21 in lo	oam	moderate	1.87 to 2.09 in	6.6 to 7.3
Bk 21 to	36 in c	clay loam	moderate	2.24 to 2.84 in	7.4 to 8.4
C 36 to	60 in lo	oam	moderately slow	3.60 to 4.56 in	7.4 to 8.4



Yellow Medicine County, Minnesota

J105A--Arvilla sandy loam, 0 to 2 percent slopes

Arvilla

Extent: 75 to 95 percent of the unit Landform(s): flats on outwash plains

Slope gradient: 0 to 2 percent Parent material: outwash

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: somewhat excessively drained

Soil loss tolerance (T factor): 3
Wind erodibility group (WEG): 3
Wind erodibility index (WEI): 86
Kw factor (surface layer) .20
Land capability, nonirrigated 3s

Hydric soil: no Hydrologic group: B

Potential for frost action: low

Representative s	soil profile:	Texture	Permeability	Available water capacity	рН
Ap 0	to 9 in	sandy loam	moderately rapid	1.18 to 1.36 in	6.1 to 7.3
Bw 9	to 14 in	sandy loam	moderately rapid	0.61 to 0.72 in	6.6 to 7.3
2Bk 14	to 48 in	gravelly sand	very rapid	0.68 to 1.69 in	7.4 to 8.4
2C 48	to 80 in	gravelly sand	very rapid	0.64 to 1.59 in	7.4 to 8.4

Yellow Medicine County, Minnesota

J106B--Barnes-Buse-Svea complex, 1 to 6 percent slopes

Barnes, occasional saturation

Extent: 50 to 70 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): hills on moraines, hills on till plains

Wind erodibility group (WEG): 6

Slope gradient: 3 to 6 percent Wind erodibility index (WEI): 48

Parent material: till Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2e

Flooding: none

Hydric soil: no
Ponding: none

Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative soil profile	: Texture	Permeability	Available water capacity	рН
Ap,A 0 to 11 in	loam	moderate	2.20 to 2.43 in	6.1 to 7.3
Bw 11 to 26 in	loam	moderate	2.54 to 2.84 in	6.1 to 7.3
Bk 26 to 44 in	loam	moderate	2.72 to 3.44 in	7.4 to 8.4
C 44 to 80 in	loam	moderately slow	5.37 to 6.81 in	7.4 to 8.4

Buse

Extent: 10 to 20 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): hills on moraines, hills on till plains Wind erodibility group (WEG): 4L

Slope gradient: 3 to 6 percent Wind erodibility index (WEI): 86

Parent material: till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2e

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Ар	0 to 8 in	loam	moderate	1.57 to 1.73 in	7.4 to 8.4
Bk1,Bk2	8 to 40 in	loam	moderate	4.84 to 6.13 in	7.4 to 8.4
C	40 to 60 in	loam	moderately slow	2.95 to 3.74 in	7.4 to 8.4



Yellow Medicine County, Minnesota

J106B--Barnes-Buse-Svea complex, 1 to 6 percent slopes

Svea

Extent: 10 to 20 percent of the unit

Landform(s): swales on moraines, flats on moraines, swales

on till plains, flats on till plains

Slope gradient: 1 to 3 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48
Kw factor (surface layer) .28
Land capability, nonirrigated 1

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A 0 to 10 in	loam	moderate	1.97 to 2.17 in	6.1 to 7.3
Bw 10 to 21 in	loam	moderate	1.87 to 2.09 in	6.6 to 7.3
Bk 21 to 36 in	clay loam	moderate	2.24 to 2.84 in	7.4 to 8.4
C 36 to 60 in	loam	moderately slow	3.60 to 4.56 in	7.4 to 8.4

Yellow Medicine County, Minnesota

J107A--Lakepark-Roliss-Parnell, depressional, complex, 0 to 3 percent slopes

Lakepark

Extent: 30 to 40 percent of the unit

Landform(s): drainageways on moraines

Soil loss tolerance (**
Wind erodibility grou

Slope gradient: 0 to 3 percent Win

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48
Kw factor (surface layer) .24
Land capability, nonirrigated 2w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

Kw factor (surface layer) .32

Representative soil profile	e: Te	exture	Permeability	Available water capacity	рН
Ap 0 to 8 in	loam		moderate	1.57 to 1.73 in	6.1 to 7.3
A 8 to 27 in	loam		moderate	3.86 to 4.24 in	6.1 to 7.3
Bg 27 to 41 in	loam		moderate	2.34 to 2.62 in	6.6 to 7.3
Cg 41 to 80 in	loam		moderately slow	5.85 to 7.41 in	7.4 to 8.4

Roliss

Extent: 20 to 30 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): drainageways on moraines, flats on moraines, Wind erodibility group (WEG): 4L

rims on moraines

Slope gradient: 0 to 2 percent Wind erodibility index (WEI): 86

Parent material: till

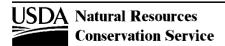
Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2w

Flooding: none Hydric soil: yes
Ponding: none Hydrologic group: B/D

Drainage class: poorly drained Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap 0 to 9 in	loam	moderate	1.36 to 1.72 in	7.4 to 8.4
A 9 to 14 in	clay loam	moderate	0.87 to 0.97 in	7.4 to 8.4
Bg 14 to 20 in	clay loam	moderate	1.00 to 1.12 in	7.4 to 8.4
Cg 20 to 80 in	loam	moderately slow	8.98 to 11.37 in	7.4 to 8.4



Yellow Medicine County, Minnesota

J107A--Lakepark-Roliss-Parnell, depressional, complex, 0 to 3 percent slopes

Parnell, depressional

Extent: 10 to 20 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): depressions on moraines

Wind erodibility group (WEG): 7

Slope gradient: 0 to 1 percent Wind erodibility index (WEI): 38

Parent material: till

Kw factor (surface layer) .37

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 3w

Flooding: none Hydric soil: yes
Ponding: frequent Hydrologic group: C/D

Drainage class: very poorly drained Potential for frost action: high

Representative soil profile:		Texture	Permeability	Available water capacity	pН
A1,A2 0 to 2	22 in sil	Ity clay loam	moderately slow	3.97 to 4.85 in	6.1 to 7.3
Btg 22 to 5	55 in sil	Ity clay	slow	4.30 to 5.29 in	6.1 to 7.3
BCg 55 to 8	30 in sil	Ity clay loam	slow	3.97 to 4.71 in	6.6 to 8.4

J195B--Poinsett silty clay loam, 2 to 6 percent slopes

Poinsett, occasional saturation

Extent: 70 to 90 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): hills on lake plains

Wind erodibility group (WEG): 7

Slope gradient: 2 to 6 percent

Wind erodibility index (WEI): 38

Parent material: lacustrine deposits

Kw factor (surface layer) .28

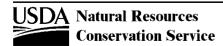
Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative so	il profile:	Texture	Permeability	Available water capacity	рН
Ap 0 t	o 8 in	silty clay loam	moderate	1.42 to 1.73 in	6.1 to 7.3
Bw 8 t	o 23 in	silty clay loam	moderate	2.39 to 2.84 in	6.1 to 7.3
Bk 23 t	o 62 in	silty clay loam	moderate	6.24 to 7.41 in	7.4 to 8.4
2C 62 t	o 80 in	clay loam	moderately slow	2.54 to 3.26 in	7.4 to 8.4



Yellow Medicine County, Minnesota

J198C2--Rusklyn-Poinsett complex, 6 to 12 percent slopes, moderately eroded

Rusklyn, moderately eroded

Extent: 40 to 50 percent of the unit

Landform(s): hills on lake plains

Slope gradient: 6 to 12 percent

Parent material: lacustrine deposits

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 4L Wind erodibility index (WEI): 86 Kw factor (surface layer) .28 Land capability, nonirrigated 3e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Available water

Representative soil profile:		Texture	Permeability	capacity	pН
Ap 0	to 9 in	silty clay loam	moderate	1.63 to 1.99 in	7.4 to 8.4
Bk 9	to 28 in	silty clay loam	moderate	3.02 to 3.59 in	7.4 to 8.4
C1 28	to 53 in	silty clay loam	moderate	4.03 to 4.79 in	7.4 to 8.4
2C2 53	to 80 in	clay loam	moderately slow	3.75 to 4.82 in	7.4 to 8.4

Poinsett, moderately eroded

Extent: 35 to 45 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): hills on lake plains

Wind erodibility group (WEG): 7

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 38

Parent material: lacustrine deposits

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 3e

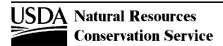
Flooding: none

Hydric soil: no
Ponding: none

Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap 0 to 8 in	silty clay loam	moderate	1.42 to 1.73 in	6.1 to 7.3
Bw 8 to 23 in	silty clay loam	moderate	2.39 to 2.84 in	6.1 to 7.3
Bk 23 to 62 in	silty clay loam	moderate	6.24 to 7.41 in	7.4 to 8.4
2C 62 to 80 in	clay loam	moderately slow	2.54 to 3.26 in	7.4 to 8.4



Yellow Medicine County, Minnesota

J199A--Fulda silty clay, 0 to 2 percent slopes

Fulda

Extent: 75 to 95 percent of the unit

Landform(s): flats on moraines, drainageways on moraines

Slope gradient: 0 to 2 percent Parent material: lacustrine deposits

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: poorly drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 7
Wind erodibility index (WEI): 38

Kw factor (surface layer) .28 Land capability, nonirrigated 2w

Hydric soil: yes

Hydrologic group: C/D

Potential for frost action: high

Representative soil pro	ofile:	Texture	Permeability	Available water capacity	рН
Ap,A 0 to 13 i	in silty clay		slow	1.69 to 2.21 in	6.1 to 7.3
Bg 13 to 33 i	in silty clay		slow	2.01 to 3.81 in	6.6 to 7.3
Bkg 33 to 40 i	in silty clay		slow	0.71 to 1.35 in	7.4 to 8.4
Cg 40 to 60 i	in silty clay		slow	1.97 to 3.74 in	7.4 to 8.4

Yellow Medicine County, Minnesota

J227D2--Buse, moderately eroded-Sandberg complex, 12 to 18 percent slopes

Buse, moderately eroded

Extent: 40 to 60 percent of the unit Landform(s): hills on moraines Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 4L Wind erodibility index (WEI): 86 Kw factor (surface layer) .28 Land capability, nonirrigated 4e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Ap	0 to 8 in	loam	moderate	1.57 to 1.73 in	7.4 to 8.4
Bk1,Bk2	8 to 40 in	loam	moderate	4.84 to 6.13 in	7.4 to 8.4
C	10 to 60 in	loam	moderately slow	2 95 to 3 74 in	7 / to 8 /

Sandberg

Cail loca talamanas /T factor): 2 Extent: 20 to 40 percent of the unit Landform(s): hills on moraines Slope gradient: 12 to 18 percent Parent material: outwash

Restrictive feature(s): greater than 60 inches Flooding: none

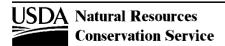
Ponding: none

Drainage class: excessively drained

Soil loss tolerance (1 factor): 3
Wind erodibility group (WEG): 3
Wind erodibility index (WEI): 86
Kw factor (surface layer) .15
Land capability, nonirrigated 7e
Hydric soil: no
Hydrologic group: A

Potential for frost action: low

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
A1,A2	0 to 12 in	sandy loam	very rapid	1.54 to 1.77 in	6.1 to 7.8
Bk	12 to 28 in	gravelly sand	very rapid	0.32 to 0.97 in	7.4 to 8.4
C	28 to 80 in	gravelly sand	very rapid	1.04 to 3.12 in	7.4 to 8.4



Yellow Medicine County, Minnesota

J227F--Buse-Sandberg complex, 18 to 40 percent slopes

Buse

Extent: 40 to 60 percent of the unit Landform(s): hills on moraines Slope gradient: 18 to 40 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 4L Wind erodibility index (WEI): 86 Kw factor (surface layer) .28 Land capability, nonirrigated 7e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Available water

Representative soil pro	ofile:	Texture	Permeability	capacity	рН
A 0 to 8 ir	n loam		moderate	1.57 to 1.73 in	7.4 to 8.4
Bk 8 to 37	in loam		moderate	4.37 to 5.54 in	7.4 to 8.4
C 37 to 80	in loam		moderately slow	6.44 to 8.15 in	7.4 to 8.4

Sandberg

Extent:20 to 40 percent of the unitSoil loss tolerance (T factor):3Landform(s):hills on morainesWind erodibility group (WEG):3Slope gradient:18 to 40 percentWind erodibility index (WEI):86Parent material:outwashKw factor (surface layer).15

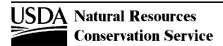
Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 7e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: A

Drainage class: excessively drained Potential for frost action: low

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
A1,A2	0 to 12 in	sandy loam	very rapid	1.54 to 1.77 in	6.1 to 7.8
Bk	12 to 28 in	gravelly sand	very rapid	0.32 to 0.97 in	7.4 to 8.4
C 2	28 to 80 in	gravelly sand	very rapid	1.04 to 3.12 in	7.4 to 8.4



Yellow Medicine County, Minnesota

J232B--Barnes-Buse-Arvilla complex, 2 to 6 percent slopes

Barnes, occasional saturation

Extent: 30 to 40 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): hills on moraines, hills on till plains

Wind erodibility group (WEG): 6

Slope gradient: 2 to 6 percent Wind erodibility index (WEI): 48

Parent material: till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2e

Flooding: none

Hydric soil: no

Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative	soil profile:		Texture	Permeability	Available water capacity	рН
Ap,A	0 to 11 in	loam		moderate	2.20 to 2.43 in	6.1 to 7.3
Bw 1	11 to 26 in	loam		moderate	2.54 to 2.84 in	6.1 to 7.3
Bk 2	26 to 44 in	loam		moderate	2.72 to 3.44 in	7.4 to 8.4
C 4	14 to 80 in	loam		moderately slow	5.37 to 6.81 in	7.4 to 8.4

Buse

Extent: 25 to 35 percent of the unit Soil loss tolerance (T factor): 5

Landform(s): hills on moraines, hills on till plains Wind erodibility group (WEG): 4L

Slope gradient: 3 to 6 percent Wind erodibility index (WEI): 86

Parent material: till

Kw factor (surface layer) .28

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2e

Flooding: none

Hydric soil: no

Ponding: none Hydrologic group: B

Drainage class: well drained Potential for frost action: moderate

Representative soil profile:		Texture	Permeability	Available water capacity	рН
Ар	0 to 8 in	loam	moderate	1.57 to 1.73 in	7.4 to 8.4
Bk1,Bk2	8 to 40 in	loam	moderate	4.84 to 6.13 in	7.4 to 8.4
C	40 to 60 in	loam	moderately slow	2.95 to 3.74 in	7.4 to 8.4



Yellow Medicine County, Minnesota

J232B--Barnes-Buse-Arvilla complex, 2 to 6 percent slopes

Arvilla

Extent: 20 to 30 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Slope gradient: 2 to 6 percent

Wind erodibility index (WEI): 86

Parent material: outwash

Kw factor (surface layer) .20

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 3e

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: B

Drainage class: somewhat excessively drained Potential for frost action: low

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap 0 to 9 in	sandy loam	moderately rapid	1.18 to 1.36 in	6.1 to 7.3
Bw 9 to 14 in	sandy loam	moderately rapid	0.61 to 0.72 in	6.6 to 7.3
2Bk 14 to 48 in	gravelly sand	very rapid	0.68 to 1.69 in	7.4 to 8.4
2C 48 to 80 in	gravelly sand	very rapid	0.64 to 1.59 in	7.4 to 8.4



Yellow Medicine County, Minnesota

J235C2--Buse-Barnes-Arvilla complex, 6 to 12 percent slopes, moderately eroded

Buse, moderately eroded

Extent: 30 to 40 percent of the unit Landform(s): hills on moraines Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 4L Wind erodibility index (WEI): 86 Kw factor (surface layer) .28 Land capability, nonirrigated 3e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Available water

Representative soil profile:		Texture	Permeability	capacity	рН
Ap	0 to 8 in	loam	moderate	1.57 to 1.73 in	7.4 to 8.4
Bk1,Bk2	8 to 40 in	loam	moderate	4.84 to 6.13 in	7.4 to 8.4
C	40 to 60 in	loam	moderately slow	2.95 to 3.74 in	7.4 to 8.4

Barnes, moderately eroded

Extent: 25 to 35 percent of the unit Landform(s): hills on moraines

Slope gradient: 6 to 12 percent

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Parent material: till

Drainage class: well drained

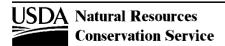
Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48
Kw factor (surface layer) .28
Land capability, nonirrigated 3e

Hydric soil: no

Hydrologic group: B

Potential for frost action: moderate

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ар	0 to 7 in	loam	moderate	1.42 to 1.56 in	6.1 to 7.3
Bw1,Bw2	7 to 19 in	loam	moderate	2.01 to 2.24 in	6.1 to 7.3
Bk 1	19 to 37 in	loam	moderate	2.72 to 3.44 in	7.4 to 8.4
C 3	37 to 60 in	loam	moderately slow	3.43 to 4.34 in	7.4 to 8.4



Yellow Medicine County, Minnesota

J235C2--Buse-Barnes-Arvilla complex, 6 to 12 percent slopes, moderately eroded

Arvilla

Extent: 20 to 30 percent of the unit

Landform(s): hills on moraines

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 3

Slope gradient: 6 to 12 percent

Wind erodibility index (WEI): 86

Parent material: outwash

Kw factor (surface layer) .20

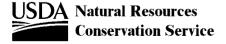
Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 4e

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: B

Drainage class: somewhat excessively drained Potential for frost action: low

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap 0 to 9 in	sandy loam	moderately rapid	1.18 to 1.36 in	6.1 to 7.3
Bw 9 to 14 in	sandy loam	moderately rapid	0.61 to 0.72 in	6.6 to 7.3
2Bk 14 to 48 in	gravelly sand	very rapid	0.68 to 1.69 in	7.4 to 8.4
2C 48 to 80 in	gravelly sand	very rapid	0.64 to 1.59 in	7.4 to 8.4



Yellow Medicine County, Minnesota

J236A--Highpoint lake silty clay, 0 to 2 percent slopes

Highpoint Lake

Extent: 80 to 95 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): flats on moraines

Wind erodibility group (WEG): 4

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 86

Parent material: lacustrine deposits

Kw factor (surface layer) .28

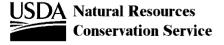
Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2s

Flooding: none Hydric soil: no
Ponding: none Hydrologic group: C

Drainage class: moderately well drained Potential for frost action: high

Representative so	il profile:	Texture	Permeability	Available water capacity	рН
Ap,A 0 t	o 18 in	silty clay	slow	2.35 to 3.08 in	6.1 to 7.3
Bw 18 t	o 25 in	silty clay	slow	0.71 to 1.35 in	6.6 to 7.3
Bk 25 t	o 53 in	silty clay loam	slow	2.80 to 5.31 in	7.4 to 8.4
C 53 t	o 80 in	silty clay loam	slow	2 68 to 5 09 in	7 4 to 8 4



Yellow Medicine County, Minnesota

J237A--Brensall-Tress complex, 0 to 2 percent slopes

Brensall

Extent: 60 to 80 percent of the unit

Landform(s): flats on till plains

Slope gradient: 1 to 2 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48
Kw factor (surface layer) .24

Land capability, nonirrigated 1

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Representative soil pro	ofile:	Texture	Permeability	Available water capacity	рН
Ap 0 to 8 ir	n clay loam		moderately slow	1.34 to 1.50 in	6.1 to 7.3
Bt 8 to 15	in clay loam		moderately slow	1.06 to 1.35 in	6.6 to 7.3
Bk 15 to 48	in clay loam		moderately slow	4.63 to 5.29 in	7.4 to 8.4
BC 48 to 80	in clay loam		moderately slow	4.46 to 5.10 in	7.4 to 8.4

Tress

Extent: 15 to 25 percent of the unit

Landform(s): swales on till plains

Slope gradient: 0 to 2 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

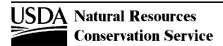
Drainage class: somewhat poorly drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 6 Wind erodibility index (WEI): 48

Kw factor (surface layer) .24
Land capability, nonirrigated 1

Hydric soil: no Hydrologic group: B

Representative	soil profile:		Texture	Permeability	Available water capacity	рН
Ap,A	0 to 20 in	clay loam		moderately slow	3.41 to 3.81 in	6.1 to 7.3
Bt 2	20 to 36 in	clay loam		moderately slow	2.36 to 2.99 in	6.6 to 7.3
Bk 3	36 to 48 in	clay loam		moderately slow	1.71 to 1.95 in	7.4 to 8.4
BC 4	18 to 80 in	clay loam		moderately slow	4.46 to 5.10 in	7.4 to 8.4



Yellow Medicine County, Minnesota

J237B--Brensall-Tress complex, 1 to 4 percent slopes

Restrictive feature(s): greater than 60 inches

Brensall

Extent: 50 to 70 percent of the unit Soil loss tolerance (T factor): 5 Landform(s): flats on till plains Wind erodibility group (WEG): 6 Slope gradient: 1 to 4 percent Wind erodibility index (WEI): 48 Parent material: till Kw factor (surface layer) .24

Land capability, nonirrigated 2e Hydric soil: no Flooding: none Ponding: none Hydrologic group: B

Drainage class: moderately well drained Potential for frost action: moderate

Representative soil profile	: Texture	Permeability	capacity	рН
Ap 0 to 8 in	clay loam	moderately slow	1.34 to 1.50 in	6.1 to 7.3
Bt 8 to 15 in	clay loam	moderately slow	1.06 to 1.35 in	6.6 to 7.3
Bk 15 to 48 in	clay loam	moderately slow	4.63 to 5.29 in	7.4 to 8.4
BC 48 to 80 in	clay loam	moderately slow	4.46 to 5.10 in	7.4 to 8.4

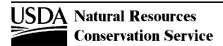
Tress

Extent: 20 to 30 percent of the unit Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 6 Landform(s): swales on till plains Slope gradient: 1 to 2 percent Wind erodibility index (WEI): 48 Parent material: till Kw factor (surface layer) .24 Restrictive feature(s): greater than 60 inches Land capability, nonirrigated 1

Flooding: none Hydric soil: no Ponding: none Hydrologic group: B

Potential for frost action: moderate Drainage class: somewhat poorly drained

Representative soil profi	le: Texture	Permeability	Available water capacity	рН
Ap,A 0 to 20 in	clay loam	moderately slow	3.41 to 3.81 in	6.1 to 7.3
Bt 20 to 36 in	clay loam	moderately slow	2.36 to 2.99 in	6.6 to 7.3
Bk 36 to 48 in	clay loam	moderately slow	1.71 to 1.95 in	7.4 to 8.4
BC 48 to 80 in	clay loam	moderately slow	4.46 to 5.10 in	7.4 to 8.4



Available water

Yellow Medicine County, Minnesota

J238D2--Buse, firm till-Wilno complex, 12 to 18 percent slopes

Buse, firm till, moderately eroded

Extent: 50 to 70 percent of the unit Landform(s): hills on till plains
Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 4L Wind erodibility index (WEI): 86 Kw factor (surface layer) .24 Land capability, nonirrigated 4e

Hydrologic group: B

Potential for frost action: moderate

Available water

Representative soil profile:	Texture	Permeability	capacity	рН
Ap 0 to 9 in	clay loam	moderately slow	1.54 to 1.72 in	7.4 to 8.4
Bk 9 to 34 in	clay loam	moderately slow	3.47 to 3.97 in	7.4 to 8.4
BC 34 to 80 in	clay loam	moderately slow	6.45 to 7.37 in	7.4 to 8.4

Wilno

Extent: 15 to 25 percent of the unit

Landform(s): hills on till plains

Slope gradient: 12 to 18 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

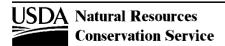
Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48
Kw factor (surface layer) .28
Land capability, nonirrigated 4e

Hydric soil: no Hydrologic group: B

Representativ	e soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A	0 to 42 in	loam	moderate	8.43 to 9.27 in	6.1 to 7.3
AB	42 to 52 in	loam	moderate	1.67 to 1.87 in	6.1 to 7.3
Bw1,Bw2	52 to 80 in	loam	moderate	4.75 to 5.31 in	6.1 to 7.3



Yellow Medicine County, Minnesota

J238E--Buse, firm till-Wilno complex, 18 to 25 percent slopes

Buse, firm till

Extent: 65 to 85 percent of the unit Landform(s): hills on till plains Slope gradient: 18 to 25 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 4L Wind erodibility index (WEI): 86 Kw factor (surface layer) .24 Land capability, nonirrigated 6e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Available water

Representative soil profile	e: Texture	Permeability	capacity	рН
Ap 0 to 9 in	clay loam	moderately slow	1.54 to 1.72 in	7.4 to 8.4
Bk 9 to 34 in	clay loam	moderately slow	3.47 to 3.97 in	7.4 to 8.4
BC 34 to 80 in	clay loam	moderately slow	6.45 to 7.37 in	7.4 to 8.4

Wilno

Extent: 10 to 20 percent of the unit Landform(s): hills on till plains Slope gradient: 18 to 25 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

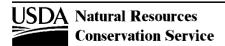
Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48
Kw factor (surface layer) .28
Land capability, nonirrigated 6e

Hydric soil: no Hydrologic group: B

Representativ	e soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A	0 to 42 in	loam	moderate	8.43 to 9.27 in	6.1 to 7.3
AB	42 to 52 in	loam	moderate	1.67 to 1.87 in	6.1 to 7.3
Bw1,Bw2	52 to 80 in	loam	moderate	4.75 to 5.31 in	6.1 to 7.3



Yellow Medicine County, Minnesota

J238F--Buse, firm till-Wilno complex, 25 to 40 percent slopes

Buse, firm till

Extent: 65 to 85 percent of the unit Landform(s): hills on till plains Slope gradient: 25 to 40 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 4L Wind erodibility index (WEI): 86 Kw factor (surface layer) .24 Land capability, nonirrigated 7e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Representative soil pro	ofile:	Texture	Permeability	Available water capacity	рН
Ap 0 to 9 ir	n clay loam		moderately slow	1.54 to 1.72 in	7.4 to 8.4
Bk 9 to 34	in clay loam		moderately slow	3.47 to 3.97 in	7.4 to 8.4
BC 34 to 80	in clay loam		moderately slow	6.45 to 7.37 in	7.4 to 8.4

Wilno

Extent: 10 to 20 percent of the unit

Landform(s): hills on moraines

Slope gradient: 25 to 40 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

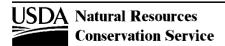
Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48
Kw factor (surface layer) .28
Land capability, nonirrigated 7e
Hydric soil: no

Hydrologic group: B

Representative	e soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A	0 to 42 in	loam	moderate	8.43 to 9.27 in	6.1 to 7.3
AB	42 to 52 in	loam	moderate	1.67 to 1.87 in	6.1 to 7.3
Bw1,Bw2	52 to 80 in	loam	moderate	4.75 to 5.31 in	6.1 to 7.3



Yellow Medicine County, Minnesota

J240B--Forman-Aastad complex, 3 to 6 percent slopes

Forman, occasional saturation

Extent: 40 to 60 percent of the unit Landform(s): hills on till plains Slope gradient: 3 to 6 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48
Kw factor (surface layer) .24
Land capability, nonirrigated 2e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	Available water capacity	pН
Ap 0 to 8 in	clay loam	moderately slow	1.34 to 1.50 in	6.6 to 7.3
Bt1 8 to 14 in	clay loam	moderately slow	0.94 to 1.20 in	6.6 to 7.3
Bt2 14 to 17 in	clay loam	moderately slow	0.41 to 0.52 in	6.6 to 7.3
Bk 17 to 44 in	clay loam	moderately slow	3.80 to 4.35 in	7.4 to 8.4
Bkv 44 to 60 in	clay loam	moderately slow	2.20 to 2.52 in	7.4 to 8.4

Aastad

Extent:15 to 25 percent of the unitSoil loss tolerance (T factor): 5Landform(s):swales on till plainsWind erodibility group (WEG): 6Slope gradient:1 to 3 percentWind erodibility index (WEI): 48Parent material:tillKw factor (surface layer).24

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

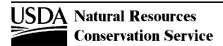
Drainage class: moderately well drained

Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48
Kw factor (surface layer) .24
Land capability, nonirrigated 1
Hydric soil: no
Hydrologic group: B

Potential for frost action: moderate

Available water

Representative s	soil profile:	Texture	Permeability	capacity	рН
Ap,A1,A2 0	to 19 in	clay loam	moderately slow	3.21 to 3.59 in	6.1 to 7.3
Bw 19	to 32 in	clay loam	moderately slow	1.95 to 2.47 in	6.6 to 7.3
Bk 32	to 46 in	clay loam	moderately slow	1.98 to 2.27 in	7.4 to 8.4
BC 46	to 60 in	clay loam	moderately slow	1.93 to 2.20 in	7.4 to 8.4



Yellow Medicine County, Minnesota

J243A--Balaton clay loam, 1 to 3 percent slopes

Balaton

Extent: 85 to 95 percent of the unit Landform(s): knolls on till plains Slope gradient: 1 to 3 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: moderately well drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 4L Wind erodibility index (WEI): 86 Kw factor (surface layer) .24 Land capability, nonirrigated 2s

Hydric soil: no Hydrologic group: B

Potential for frost action: high

Representative s	soil profile:	Texture	Permeability	Available water capacity	рН
Ap 0) to 10 in	clay loam	moderately slow	1.67 to 1.87 in	7.4 to 8.4
Bk 10	to 28 in	clay loam	moderately slow	2.54 to 2.90 in	7.4 to 8.4
BC 28	8 to 60 in	clay loam	moderately slow	4.46 to 5.10 in	7.4 to 8.4

Yellow Medicine County, Minnesota

J250C2--Forman-Buse complex, 6 to 12 percent slopes, moderately eroded

Forman, moderately eroded

Extent: 40 to 50 percent of the unit Landform(s): hills on till plains Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5
Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48
Kw factor (surface layer) .24
Land capability, nonirrigated 3e

Hydric soil: no Hydrologic group: B

Potential for frost action: moderate

Representative soil profile:	Texture	Permeability	Available water capacity	pН
Ap 0 to 8 in	clay loam	moderately slow	1.34 to 1.50 in	6.6 to 7.3
Bt1 8 to 14 in	clay loam	moderately slow	0.94 to 1.20 in	6.6 to 7.3
Bt2 14 to 17 in	clay loam	moderately slow	0.41 to 0.52 in	6.6 to 7.3
Bk 17 to 44 in	clay loam	moderately slow	3.80 to 4.35 in	7.4 to 8.4
Bkv 44 to 60 in	clay loam	moderately slow	2.20 to 2.52 in	7.4 to 8.4

Buse, moderately eroded, firm till

Extent: 35 to 45 percent of the unit

Landform(s): hills on till plains

Wind erodibilit

Wind erodibilit

Slope gradient: 6 to 12 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none Ponding: none

Drainage class: well drained

Soil loss tolerance (T factor): 5 Wind erodibility group (WEG): 4L Wind erodibility index (WEI): 86

Kw factor (surface layer) .24 Land capability, nonirrigated 3e

Hydrologic group: B

Potential for frost action: moderate

Available water

Representative so	il profile:	Texture	Permeability	capacity	рН
Ap 0 to	o 9 in	clay loam	moderately slow	1.54 to 1.72 in	7.4 to 8.4
Bk 9 to	o 34 in	clay loam	moderately slow	3.47 to 3.97 in	7.4 to 8.4
BC 34 to	o 80 in	clay loam	moderately slow	6.45 to 7.37 in	7.4 to 8.4



Yellow Medicine County, Minnesota

J251A--Parnell silty clay loam, firm till, 0 to 2 percent slopes

Parnell, firm till

Extent: 70 to 80 percent of the unit

Landform(s): drainageways on till plains

Wind erodibility group (WEG): 7

Slope gradient: 0 to 2 percent

Wind erodibility index (WEI): 38

Parent material: till

Kw factor (surface layer) .37

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated 2w

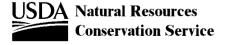
Flooding: none

Hydric soil: yes

Ponding: none Hydrologic group: C/D

Drainage class: poorly drained Potential for frost action: high

Representative	soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A	0 to 25 in	silty clay loam	moderately slow	4.54 to 5.54 in	6.1 to 7.3
Btg 2	25 to 44 in	silty clay	slow	2.46 to 3.02 in	6.1 to 7.3
Bkg 4	14 to 62 in	clay loam	moderately slow	2.48 to 2.83 in	7.4 to 8.4
BCq 6	32 to 80 in	clay loam	moderately slow	2.54 to 2.90 in	7.4 to 8.4



Yellow Medicine County, Minnesota

L84A--Glencoe clay loam, depressional, 0 to 1 percent slopes

Glencoe, depressional

Extent: 75 to 100 percent of the unit

Landform(s): depressions on moraines

Slope gradient: 0 to 1 percent

Parent material: till

Restrictive feature(s): greater than 60 inches

Flooding: none

Ponding: frequent

Drainage class: very poorly drained

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 6 Wind erodibility index (WEI): 48

Kw factor (surface layer) .28

Land capability, nonirrigated 3w

Hydric soil: yes

Hydrologic group: B/D

Potential for frost action: high

Representative soil profile:	Texture	Permeability	Available water capacity	рН
Ap,A 0 to 24 in	clay loam	moderate	4.32 to 5.28 in	6.1 to 7.8
ABg 24 to 35 in	clay loam	moderate	1.98 to 2.43 in	6.1 to 7.8
Bg 35 to 48 in	loam	moderate	1.95 to 2.47 in	6.6 to 7.8
Cg 48 to 60 in	loam	moderate	1.77 to 2.24 in	7.4 to 8.4

Yellow Medicine County, Minnesota

L201A--Normania loam, 0 to 3 percent slopes

Normania

Extent: 75 to 90 percent of the unit

Soil loss tolerance (T factor): 5

Landform(s): flats on moraines, rises on moraines

Wind erodibility group (WEG): 6

Slope gradient: 0 to 3 percent Wind erodibility index (WEI): 48

Parent material: till Kw factor (surface layer) .24
Restrictive feature(s): greater than 60 inches Land capability, nonirrigated 1

Flooding: none

Hydric soil: no

Ponding: none

Hydrologic group: B

Drainage class: somewhat poorly drained Potential for frost action: high

Representative	soil profile:		Texture	Permeability	Available water capacity	рН
Ap,A,AB	0 to 17 in	loam		moderate	3.39 to 3.72 in	6.1 to 7.3
Bw	17 to 26 in	loam		moderate	1.36 to 1.72 in	6.6 to 7.3
Bk 2	26 to 50 in	loam		moderate	3.60 to 4.56 in	7.4 to 8.4
Cg !	50 to 60 in	loam		moderate	1.48 to 1.87 in	7.4 to 8.4

M-W--Water, miscellaneous

Water, miscellaneous

Extent: 100 percent of the unit Soil loss tolerance (T factor):

Landform(s): Wind erodibility group (WEG):
Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated

Flooding: Hydric soil:
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

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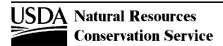
Representative soil profile:

Texture

Permeability

Available water capacity

pH



Yellow Medicine County, Minnesota

W--Water

Water

Extent: 100 percent of the unit Soil loss tolerance (T factor):

Landform(s): Wind erodibility group (WEG):
Slope gradient: Wind erodibility index (WEI):
Parent material: Kw factor (surface layer)

Restrictive feature(s): greater than 60 inches

Land capability, nonirrigated

Flooding: Hydric soil:
Ponding: Hydrologic group:

Drainage class: Potential for frost action:

Representative soil profile:

Texture

Permeability

Available water capacity

pH

This report provides a semitabular listing of some soil and site properties and interpretations that are valuable in communicating the concept of a map unit. The report also provides easy access to the commonly used conservation planning information in one place. The major soil components in each map unit are displayed. Minor components may be displayed if they are included in the database and are selected at the time the report is generated.

